

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

5. Lease Serial No.
UTU-52018

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA Agreement, Name and No.
N/A

8. Lease Name and Well No.
Federal 8-20-9-16

9. API Well No.
43013-33107

10. Field and Pool, or Exploratory
Monument Butte

11. Sec., T., R., M., or Blk. and Survey or Area
SE/NE Sec. 20, T9S R16E

12. County or Parish
Duchesne

13. State
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

2. Name of Operator
Newfield Production Company

3a. Address
Route #3 Box 3630, Myton UT 84052

3b. Phone No. (include area code)
(435) 646-3721

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface SE/NE 2133' FNL 746' FEL 573756 X 40.017718
At proposed prod. zone 4429871 Y -110.135742

14. Distance in miles and direction from nearest town or post office*
Approximatley 14.7 miles southwest of Myton, Utah

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit

16. No. of Acres in lease
640.00

17. Spacing Unit dedicated to this well
40 Acres

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft. Approx. 1250'

19. Proposed Depth
5950'

20. BLM/BIA Bond No. on file
UTB000192

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
6055' GL

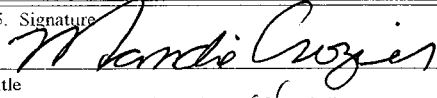
22. Approximate date work will start*
2nd Quarter 2006

23. Estimated duration
Approximately seven (7) days from spud to rig release.

24. Attachments

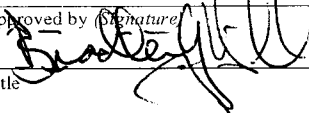
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature

Title
Regulatory Specialist

Name (Printed/Typed)
Mandie Crozier

Date
3/21/06

Approved by Signature

Title
ENVIRONMENTAL MANAGER

Name (Printed/Typed)
BRADLEY G. HILL
ENVIRONMENTAL MANAGER

Date
03-27-06

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

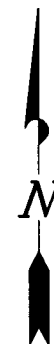
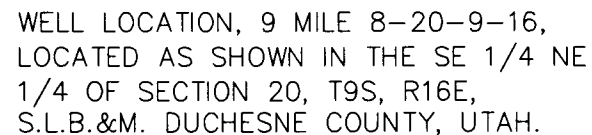
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

MAR 23 2006

NEWFIELD PRODUCTION COMPANY



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION No. 40235
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED:
03-09-06


SURVEYED BY: C.M.

DATE DRAWN:
03-14-06

DRAWN BY: F.T.M.

REVISÉ:

SCALE: 1" = 1000'

 = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

9 MILE 8-20-9-16
(Surface Location) NAD 83
LATITUDE = 40° 01' 03.95"
LONGITUDE = 110° 08' 11.16"



March 21, 2006

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Federal 7-20-9-16, 8-20-9-16, 10-20-9-16,
16-20-9-16, and 10-21-9-16.

Dear Diana:

Enclosed find APD's on the above referenced wells. The proposed Federal 16-20-9-16 location is an Exception Location. Our Land Department will send you the required Exception Location Letter. If you have any questions, feel free to give either Shon Mckinnon or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED

MAR 23 2006

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
FEDERAL #8-20-9-16
SE/NE SECTION 20, T9S, R16E
DUCHESNE COUNTY, UTAH

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. GEOLOGIC SURFACE FORMATION:

Uinta formation of Upper Eocene Age

2. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

Uinta	0' – 2355'
Green River	2355'
Wasatch	5950'

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

Green River Formation 2355' – 5950' - Oil

4. PROPOSED CASING PROGRAM

Please refer to the Monument Butte Field Standard Operation Procedure (SOP).

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Please refer to the Monument Butte Field SOP. See Exhibit "C".

6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

Please refer to the Monument Butte Field SOP.

7. AUXILIARY SAFETY EQUIPMENT TO BE USED:

Please refer to the Monument Butte Field SOP.

8. TESTING, LOGGING AND CORING PROGRAMS:

Please refer to the Monument Butte Field SOP.

9. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered.

10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

Please refer to the Monument Butte Field SOP.

**NEWFIELD PRODUCTION COMPANY
FEDERAL #8-20-9-16
SE/NE SECTION 20, T9S, R16E
DUCHESNE COUNTY, UTAH**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site Federal #8-20-9-16 located in the SE 1/4 NE 1/4 Section 20, T9S, R16E, Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles \pm to the junction of this highway and UT State Hwy 53; proceed southwesterly - 10.9 miles \pm to it's junction with an existing road to the southeast; proceed southeasterly - 2.0 miles \pm to it's junction with an existing road to the northeast; proceed northeasterly - 0.2 miles \pm to it's junction with the beginning of the proposed access road to the southeast; proceed southeasterly along the proposed access road - 2,140' \pm to the proposed well location.

2. PLANNED ACCESS ROAD

See Topographic Map "B" for the location of the proposed access road.

3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

All permanent surface equipment will be painted Carlsbad Canyon.
Please refer to the Monument Butte Field Standard Operating Procedure (SOP).

5. LOCATION AND TYPE OF WATER SUPPLY

Please refer to the Monument Butte Field SOP. See Exhibit "A".

6. SOURCE OF CONSTRUCTION MATERIALS

Please refer to the Monument Butte Field SOP.

7. METHODS FOR HANDLING WASTE DISPOSAL

Please refer to the Monument Butte Field SOP.

8. ANCILLARY FACILITIES

Please refer to the Monument Butte Field SOP.

9. **WELL SITE LAYOUT**

See attached Location Layout Diagram.

10. **PLANS FOR RESTORATION OF SURFACE**

Please refer to the Monument Butte Field SOP.

11. **SURFACE OWNERSHIP** - Bureau Of Land Management

12. **OTHER ADDITIONAL INFORMATION**

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #05-225, 7/13/05. Paleontological Resource Survey prepared by, Wade E. Miller, 11/10/05. See attached report cover pages, Exhibit "D".

For the Federal #8-20-9-16 Newfield Production Company requests 2140' of disturbed area be granted in Lease UTU-52018 to allow for construction of the proposed access road. **Refer to Topographic Map "B"**. The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%. There will be a 24" culvert required along the road entering the proposed location. There will be barrow ditches and turnouts as needed along this road. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Newfield Production Company requests 2140' of disturbed area be granted in Lease UTU-52018 to allow for construction of the proposed gas lines. It is proposed that the disturbed area will be 50' wide to allow for construction of a buried 6" gas gathering line, and a buried 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Water Disposal

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Threatened, Endangered, And Other Sensitive Species

Golden Eagle: Due to this proposed well access roads proximity (less than 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between March 1 and May 15. If the nest remains inactive on May 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between May 15 and March 1 of the following year. If the nest site becomes active prior to May 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Burrowing Owl: Due to the proximity of the location to active prairie dog towns, there is the potential to encounter nesting burrowing owls between April 1 and August 15. If new construction or surface disturbing activities are scheduled between April 1 and August 15, pre-construction surveys will be conducted to detect the presence of nesting burrowing owls within 0.5 mile of any new construction or surface disturbing activity (see Vernal BLM Field Office Protocol). No new construction or surface disturbing activities will be allowed between April 1 and August 15 within a 0.5 mile radius of any active burrowing owl nest.

Reserve Pit Liner

A 12 mil liner with felt is required. Please refer to the Monument Butte Field SOP.

Location and Reserve Pit Reclamation

Please refer to the Monument Butte Field SOP.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Crested Wheatgrass	<i>Agropyron Cristatum</i>	4 lbs/acre
Needle and Threadgrass	<i>Stipa Comata</i>	4 lbs/acre
Indian Ricegrass	<i>Oryzopsis Hymenoides</i>	4 lbs/acre

Details of the On-Site Inspection

The proposed Federal #8-20-9-16 was on-sited on 1/25/06. The following were present; Shon Mckinnon (Newfeild Production), Melissa Hawk (Bureau of Land Management), Chris Carusona (Bureau of Land Management), Todd McGrath (Bureau of Land Management), Brandon McDonald (Bureau of Landmanagement), and a SWCA Representative. Weather conditions were clear and ground cover was 50% open.

13. **LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION**

Representative

Name: Shon Mckinnon
Address: Route #3 Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

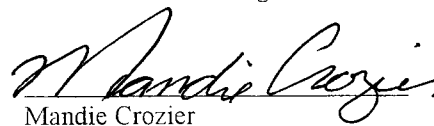
Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #8-20-9-16 SE/NE Section 20, Township 9S, Range 16E: Lease UTU-52018 Duchesne County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drillsite and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

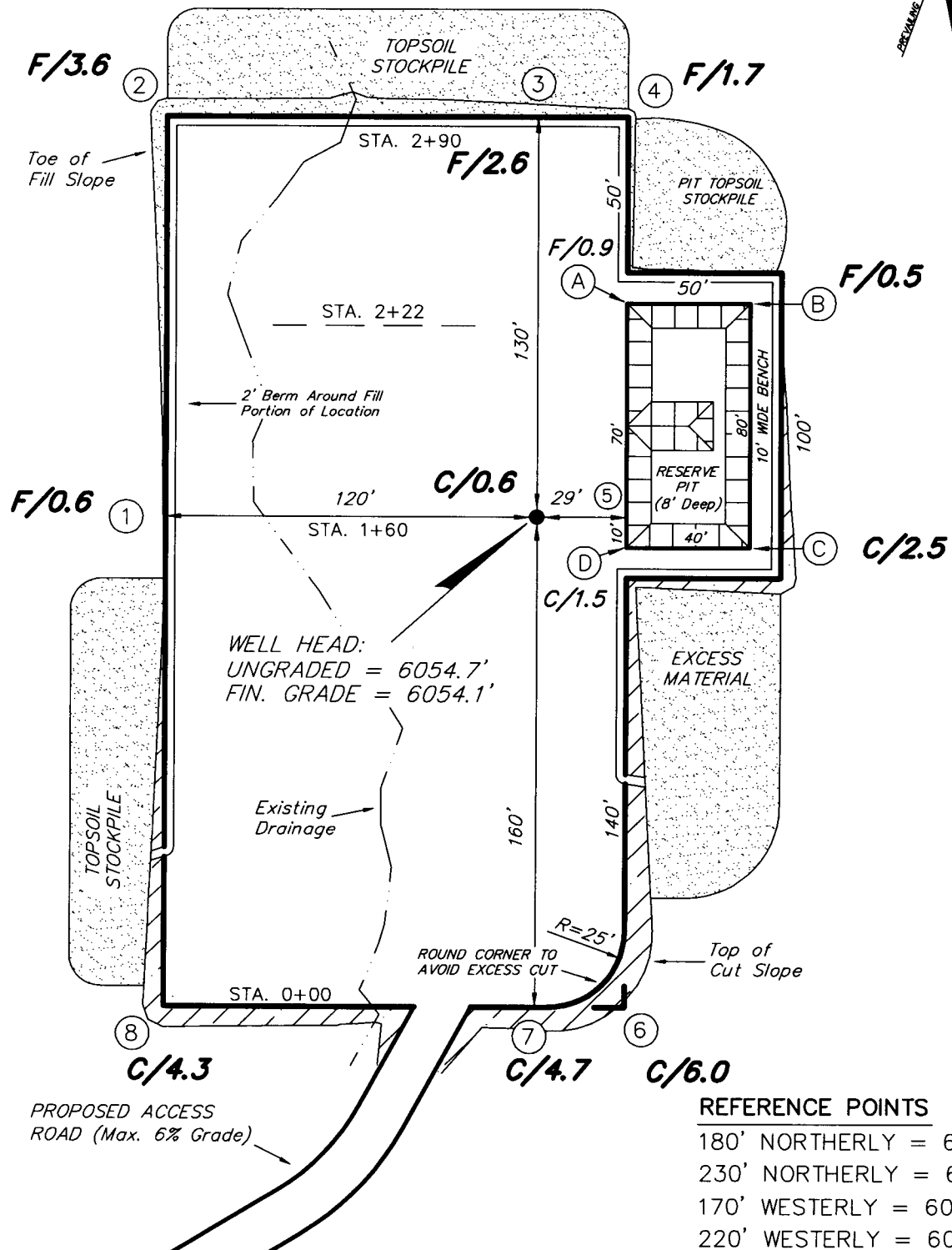
3/21/06

Date



Mandie Crozier
Regulatory Specialist
Newfield Production Company

Section 20, T9S, R16E, S.L.B.&M.



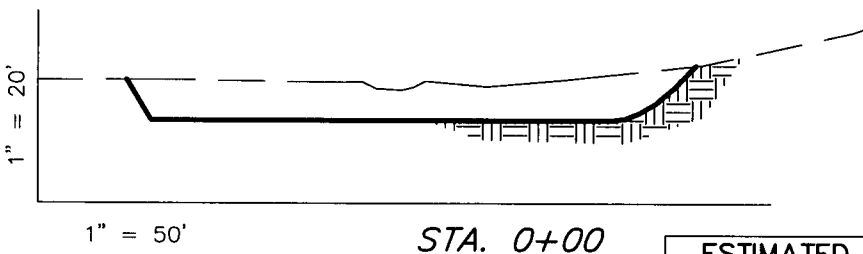
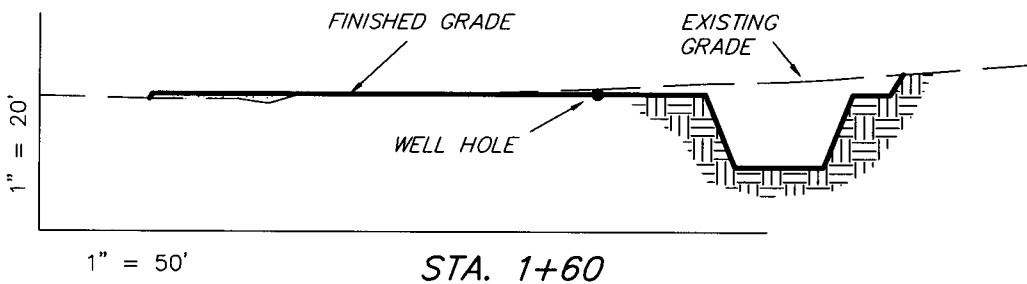
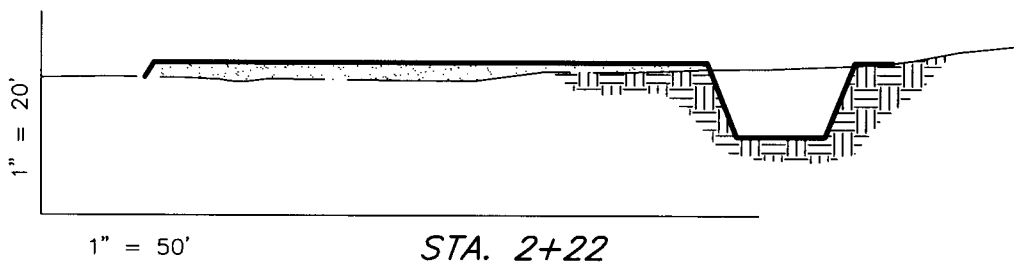
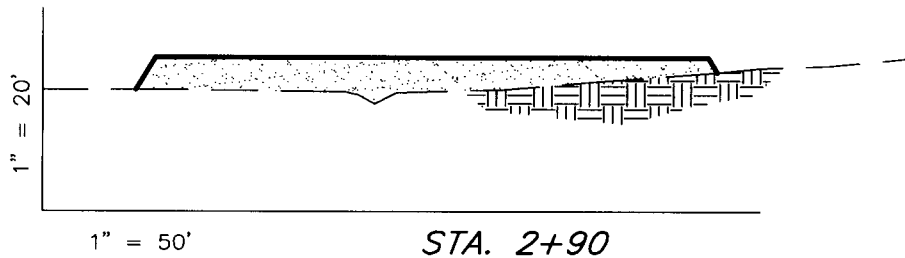
DATE: 03-14-06

180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

CROSS SECTIONS

9 MILE 8-20-9-16



NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,750	1,750	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,390	1,750	970	640

SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

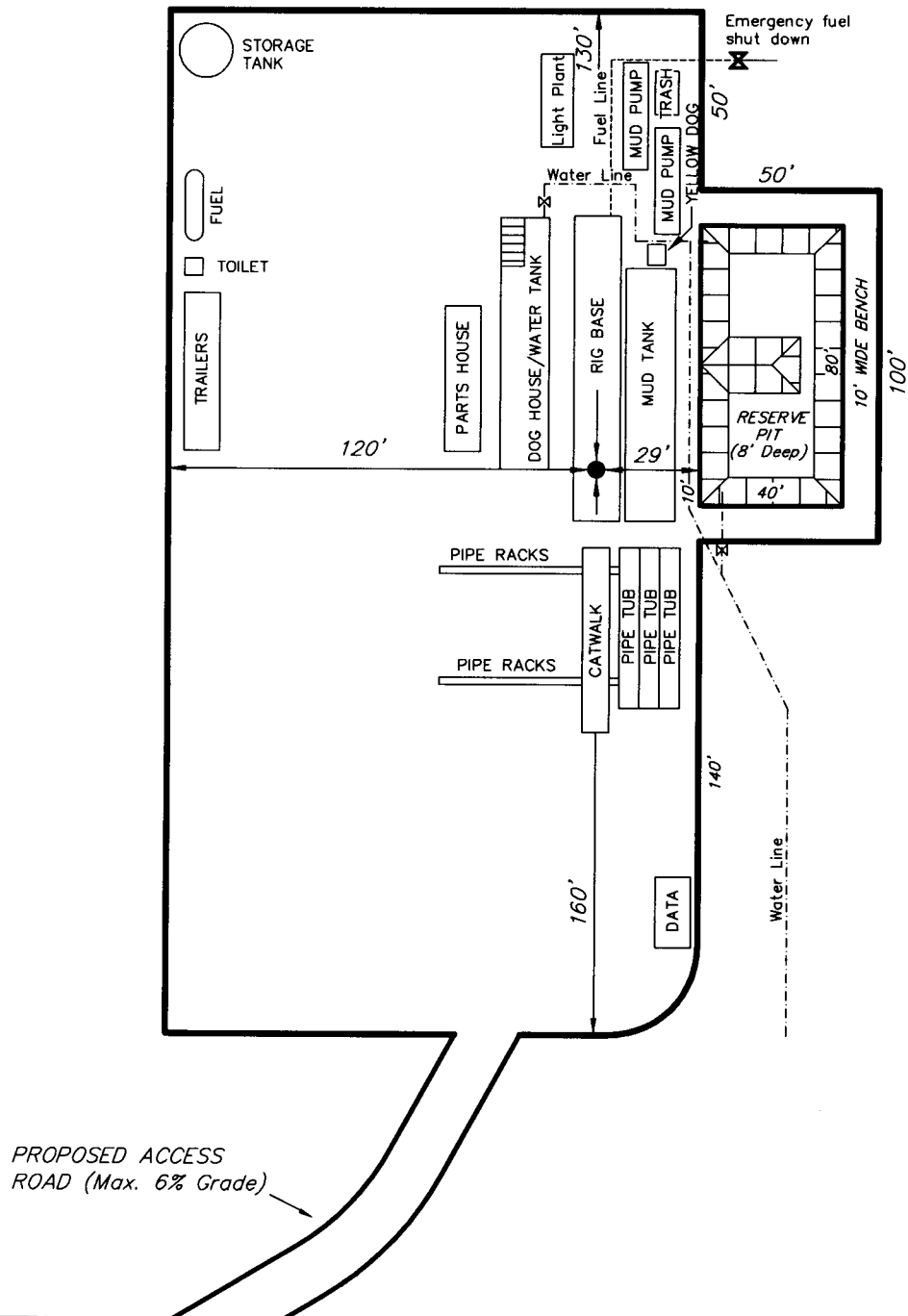
DATE: 03-14-06

Tri State (435) 781-2501
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

NEWFIELD PRODUCTION COMPANY

TYPICAL RIG LAYOUT

9 MILE 8-20-9-16



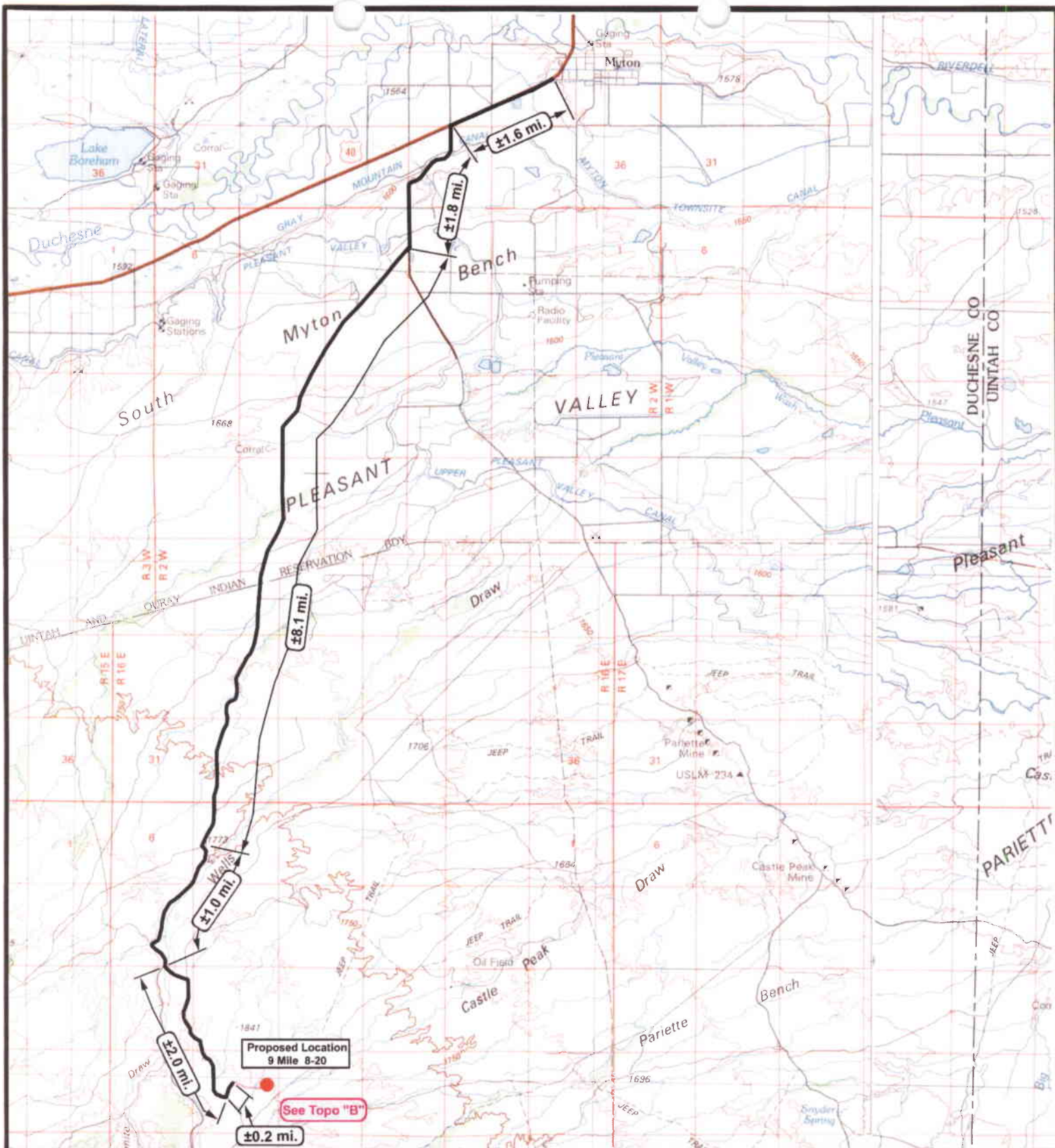
SURVEYED BY: C.M.

SCALE: 1" = 50'

DRAWN BY: F.T.M.

DATE: 03-14-06

Tri State (435) 781-2501
Land Surveying, Inc.
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078



NEWFIELD
Exploration Company

9 Mile 8-20-9-16
SEC. 20, T9S, R16E, S.L.B.&M.



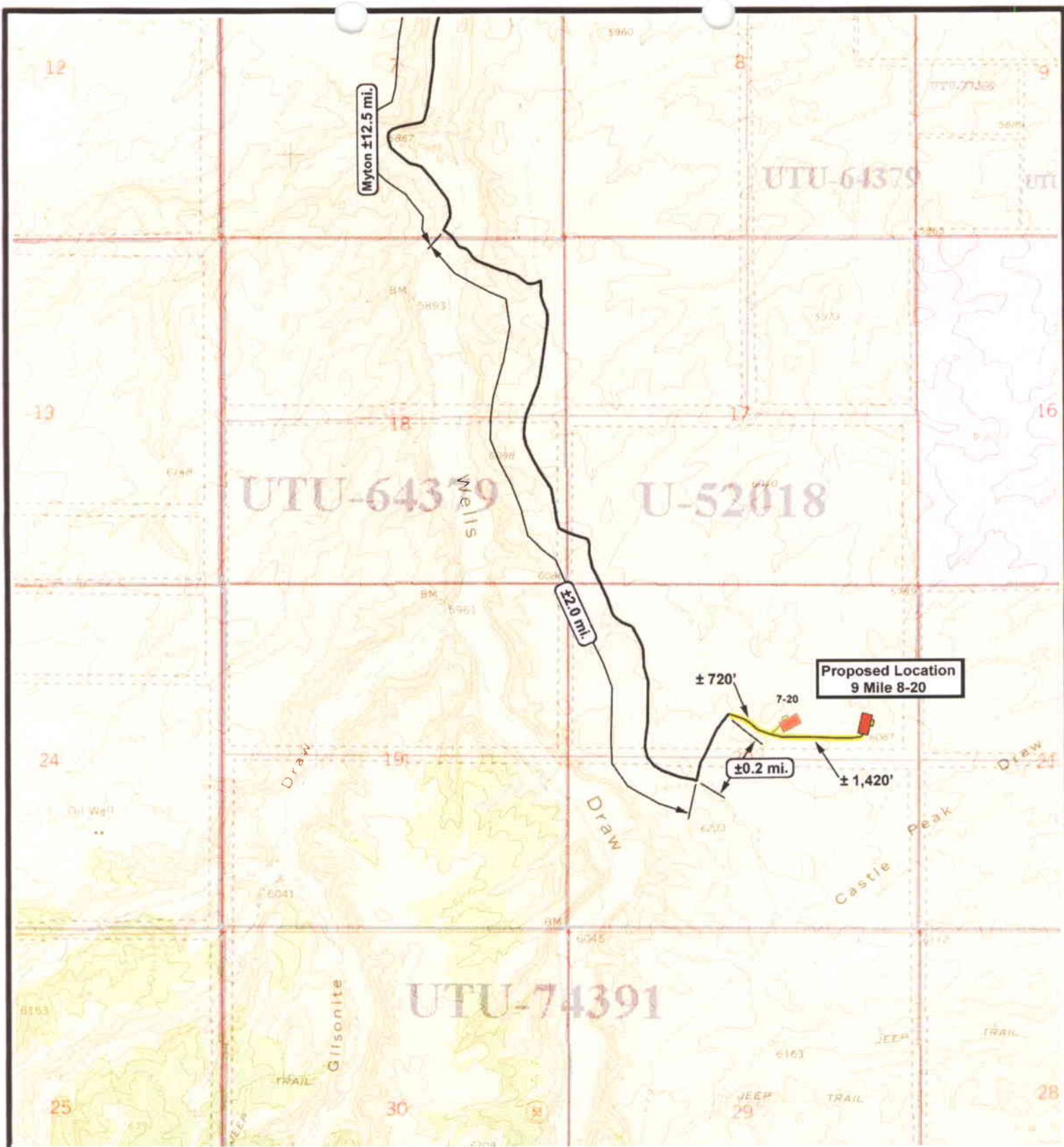
Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1 = 100,000
DRAWN BY: mw
DATE: 03-15-2006

Legend
— Existing Road
— Proposed Access

TOPOGRAPHIC MAP

"A"



NEWFIELD
Exploration Company

9 Mile 8-20-9-16
SEC. 20, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501

180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

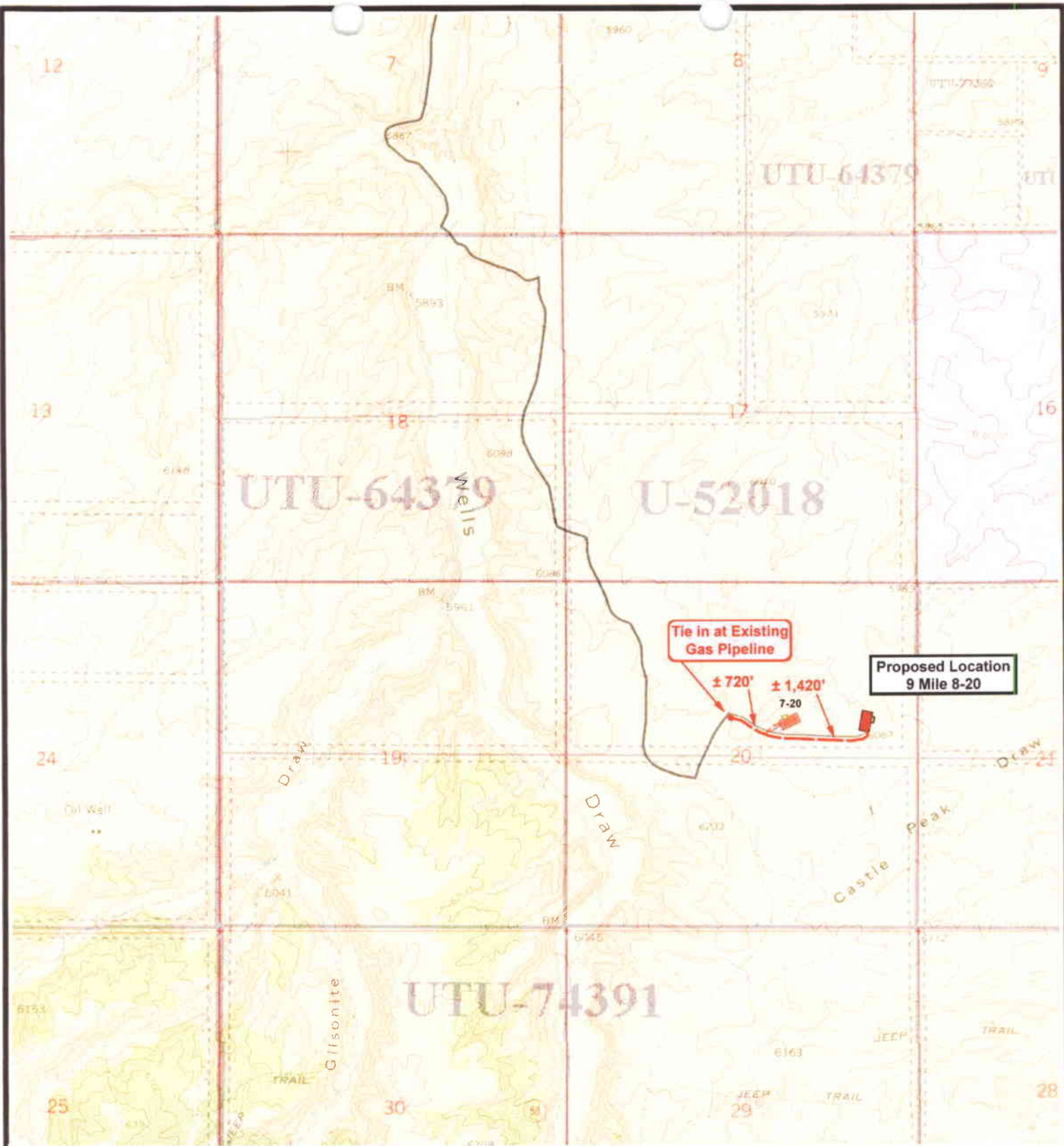
DATE: 03-14-2006

Legend

Existing Road
 Proposed Access

TOPOGRAPHIC MAP

"B"



NEWFIELD
Exploration Company

9 Mile 8-20-9-16
SEC. 20, T9S, R16E, S.L.B.&M.



Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2000'

DRAWN BY: mw

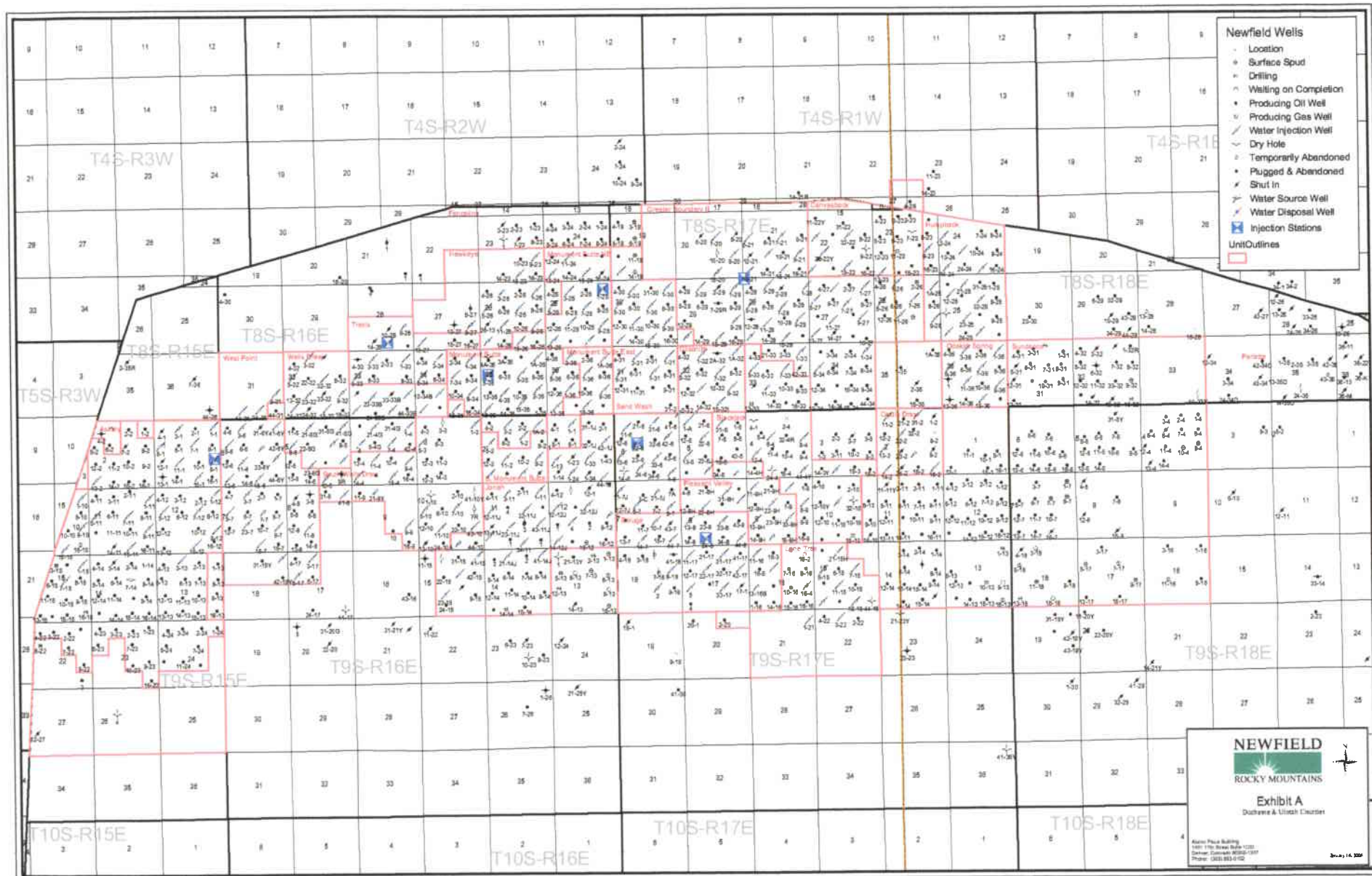
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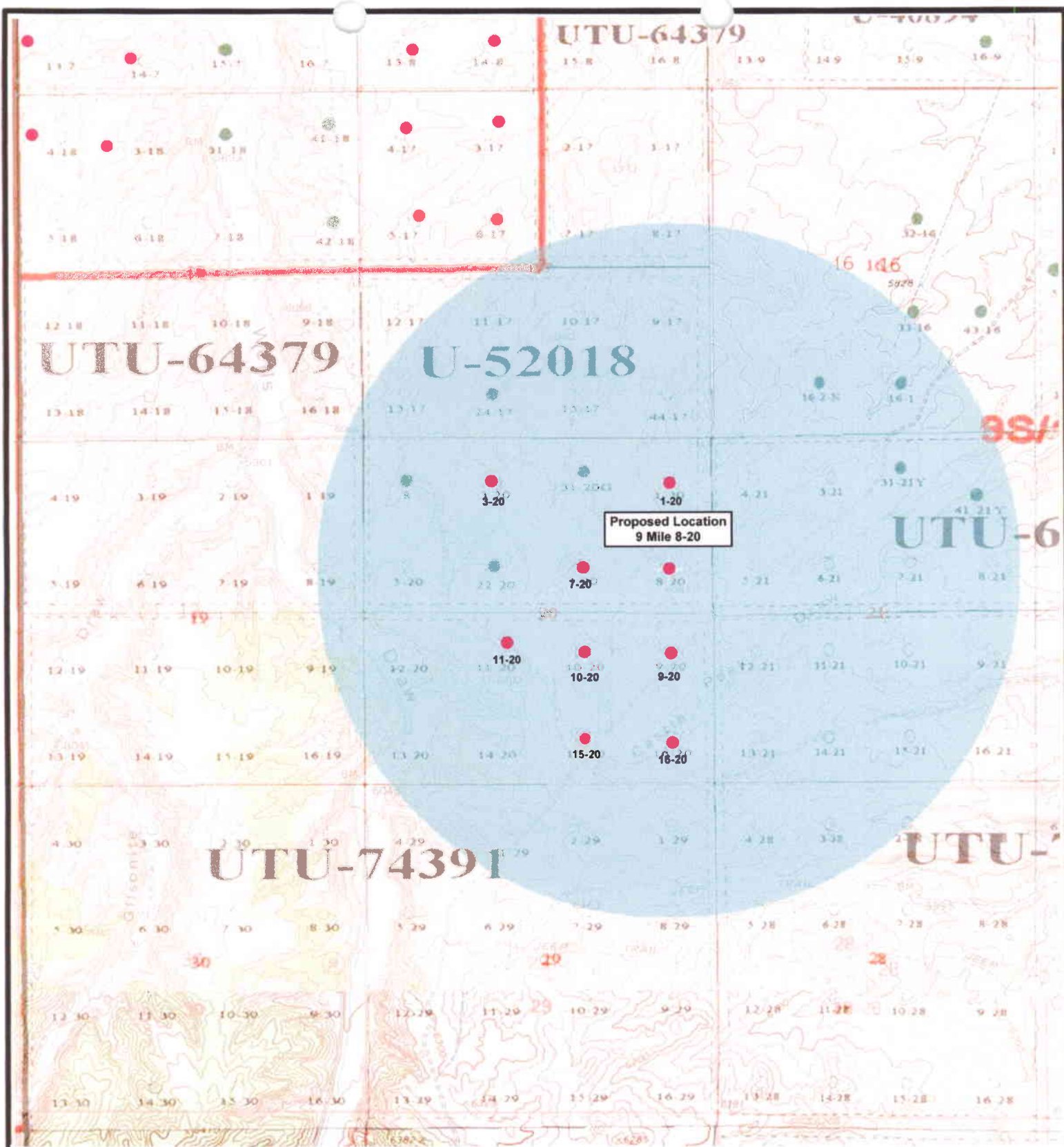
Legend

— Roads
- - - Proposed Gas Line

TOPOGRAPHIC MAP

"C"





2-M SYSTEM

Blowout Prevention Equipment Systems

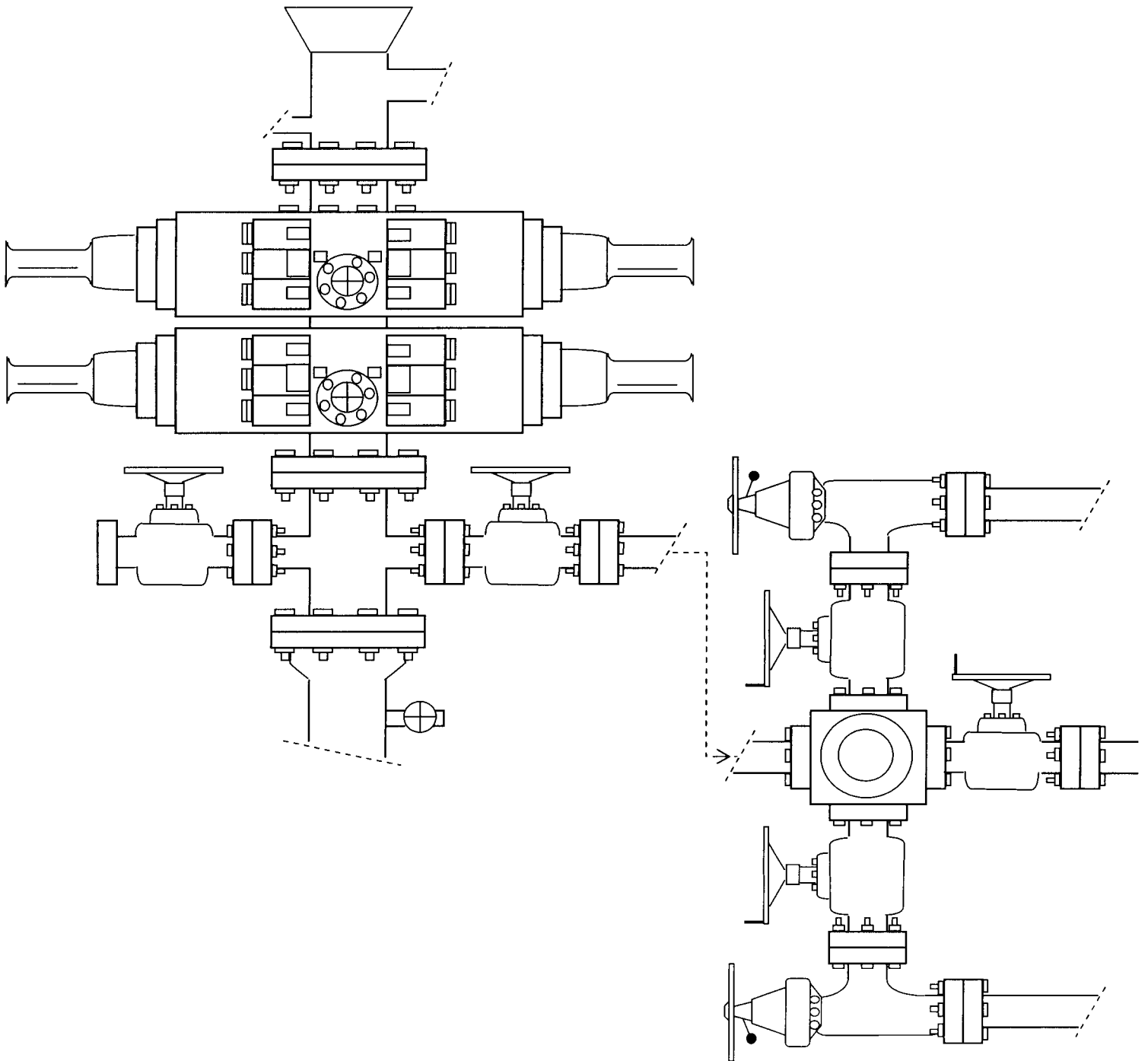


EXHIBIT C

CULTURAL RESOURCE INVENTORY OF
NEWFIELD EXPLORATION'S BLOCK PARCEL
IN TOWNSHIP 9S, RANGE 16E, SECTION 19 AND 20,
DUCHESNE COUNTY, UTAH

By:

Shari Maria Silverman

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Newfield Exploration Company
Rt. 3 Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants, Inc.
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 05-225

July 13, 2005

United States Department of Interior (FLPMA)
Permit No. 05-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-05-MQ-0668b

NEWFIELD PRODUCTION COMPANY

**PALEONTOLOGICAL FIELD SURVEY OF PROPOSED
PRODUCTION DEVELOPMENT AREAS,
DUCHESNE COUNTY, UTAH**

Section 8, T 9 S, R 16 E [SW 1/4 & SE 1/4, NE 1/4; and SE 1/4]; Section 17, T 9 S, R 16 E [NE 1/4; NE 1/4, NW 1/4 & SW 1/4, SE 1/4; NE 1/4, NW 1/4, & SW 1/4, SW 1/4]; Section 19, T 9 S, R 16 E [entire section]; Section 20, T 9 S, R 16 E [excluding NW 1/4, NE 1/4; and NW 1/4 & SE 1/4, NW 1/4]; Section 21, T 9 S, R 16 E [excluding NE 1/4 & NW 1/4, NE 1/4]

REPORT OF SURVEY

Prepared for:

Newfield Production Company

Prepared by:

Wade E. Miller
Consulting Paleontologist
November 10, 2005

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/23/2006

API NO. ASSIGNED: 43-013-33107

WELL NAME: FEDERAL 8-20-9-16

OPERATOR: NEWFIELD PRODUCTION (N2695)

CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:

SENE 20 090S 160E

SURFACE: 2133 FNL 0746 FEL

BOTTOM: 2133 FNL 0746 FEL

COUNTY: DUCHESNE

LATITUDE: 40.01772 LONGITUDE: -110.1357

UTM SURF EASTINGS: 573756 NORTHINGS: 4429871

FIELD NAME: MONUMENT BUTTE (105)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-52018

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: GRRV

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000192)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. MUNICIPAL)
☒ RDCC Review (Y/N)
(Date:)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

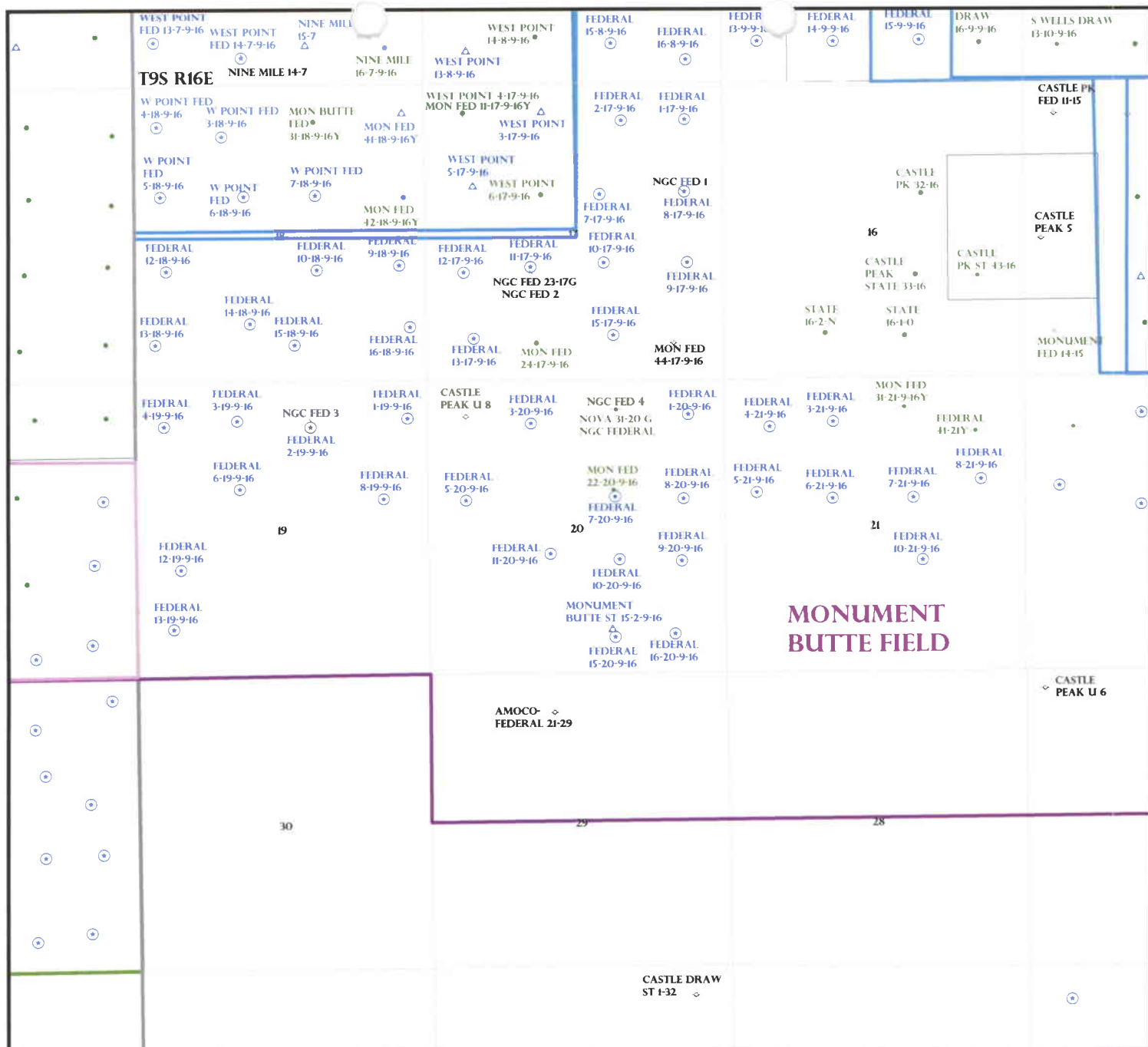
☐ R649-2-3.
Unit: _____
☒ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
☐ R649-3-3. Exception
☐ Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
☐ R649-3-11. Directional Drill

COMMENTS:

See Separate File

STIPULATIONS:

*1- Federal Approval
2- Spacing Strip*



OPERATOR: NEWFIELD PROD CO (N2695)

SEC: 19,20,21 T. 9S R. 16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status

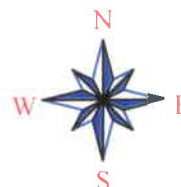
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



PREPARED BY: DIANA WHITNEY
DATE: 24-MARCH-2006



State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 27, 2006

Newfield Production Company
Rt. #3, Box 3630
Myton, UT 84052

Re: Federal 8-20-9-16 Well, 2133' FNL, 746' FEL, SE NE, Sec. 20, T. 9 South,
R. 16 East, Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-33107.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Newfield Production Company
Well Name & Number Federal 8-20-9-16
API Number: 43-013-33107
Lease: UTU-52018

Location: SE NE **Sec.** 20 **T.** 9 South **R.** 16 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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UNIVERSAL, UTAH

Form 3160-3
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

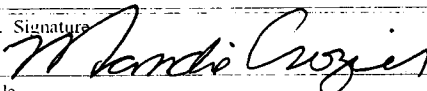
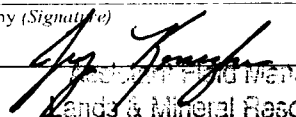
5. Lease Serial No. UTU-52018
6. If Indian, Allottee or Tribe Name N/A
7. If Unit or C/A Agreement, Name and No. N/A
8. Lease Name and Well No. Federal 8-20-9-16
9. API Well No. 43 013 33107
10. Field and Pool, or Exploratory Monument Butte
11. Sec., T., R., M., or Blk. and Survey or Area SE/NE Sec. 20, T9S R16E
12. County or Parish Duchesne
13. State UT

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		
2. Name of Operator Newfield Production Company		
3a. Address Route #3 Box 3630, Myton UT 84052	3b. Phone No. (include area code) (435) 646-3721	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SE/NE 2133' FNL 746' FEL At proposed prod. zone		
14. Distance in miles and direction from nearest town or post office* Approximatley 14.7 miles southwest of Myton, Utah		17. Spacing Unit dedicated to this well 40 Acres
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 507' f/lse, NA' f/unit	16. No. of Acres in lease 640.00	20. BLM/BIA Bond No. on file UTB000192
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1250'	19. Proposed Depth 5950'	23. Estimated duration Approximately seven (7) days from spud to ng release.
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6055' GL	22. Approximate date work will start* 2nd Quarter 2006	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- | | |
|---|--|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/Typed) Mandie Crozier	Date 3/21/06
Title Regulatory Specialist		
Approved by (Signature) 	Name (Printed/Typed) TERRY KEWALA	Date 2-8-2007
Title Assistant Field Manager Lands & Mineral Resources		

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

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JAN 14 2007

DIV. OF OIL, GAS & MINING

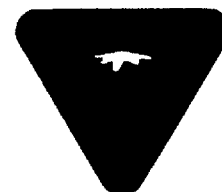
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07BM4701A



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Newfield Production Company Location: SENE, Sec 20, T9S, R16E
Well No: Federal 8-20-9-16 Lease No: UTU-52018
API No: 43-013-33107 Agreement: N/A

Petroleum Engineer:	Ryan Angus	Office: 435-781-4430	Cell: 435-828-
Petroleum Engineer:	James Ashley	Office: 435-781-4470	Cell: 435-828-7874
Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
NRS/Environmental Scientist:	Scott Ackerman	Office: 435-781-4437	
NRS/Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
NRS/Environmental Scientist:	Jannice Cutler	Office: 435-781-3400	
NRS/Environmental Scientist:	Michael Cutler	Office: 435-781-3401	
NRS/Environmental Scientist:	Anna Figueroa	Office: 435-781-3407	
NRS/Environmental Scientist:	Melissa Hawk	Office: 435-781-4476	
NRS/Environmental Scientist:	Chuck Macdonald	Office: 435-781-4441	
NRS/Environmental Scientist:	Nathan Packer	Office: 435-781-3405	
NRS/Environmental Scientist:	Verlyn Pindell	Office: 435-781-3402	
NRS/Environmental Scientist:	Holly Villa	Office: 435-781-4404	
NRS/Environmental Scientist:	Darren Williams	Office: 435-781-4447	
NRS/Environmental Scientist:	Karl Wright	Office: 435-781-4484	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify NRS)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify NRS)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to running casing and cementing all casing
BOP & Related Equipment Tests (Notify Supervisory Petroleum Technician)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

STIPULATIONS:

Lands in this lease have been identified as containing Golden eagle habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Golden eagle and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

There is a documented Golden Eagle nest located within 0.5 miles of the proposed location, not in line-of-site of the project area. With this occurrence there will be a timing restriction to protect the Golden Eagle nesting period from February 1- July 15.

Prairie dog burrows are also located within a hundred yards east of the proposed site. With this occurrence of the prairie dog burrows (burrowing owl habitat) there will also be a timing restriction from April 1- August 15.

CONDITIONS OF APPROVAL:

1. All applicable local, state, and/or federal laws, regulations, and/or statutes will be complied with.
2. Avoid rocky outcrops.
3. All traffic related to this action will be restricted to approved routes. Cross-country vehicle travel will not be allowed.
4. No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of three inches deep, the soil shall be deemed too wet to adequately support construction equipment.
5. The access road will be crowned and ditched. Flat-bladed roads are not allowed.
6. If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. will be needed to control the erosion.
7. Low-water crossings will be appropriately constructed to avoid sedimentation of drainage ways and other water resources.
8. Pipelines will be buried at all major drainage crossings.
9. Prevent fill and stock piles from entering drainages.
10. The reserve pit will be lined with a 12 ml or greater liner and felt prior to spudding.
11. The liner is to be cut 5 feet below ground surface or at the level of the cuttings, whichever is deeper, and the excess liner material is to be disposed of at an authorized disposal site.
12. When the reserve pit contains fluids or toxic substances, the operator must ensure animals do not ingest or become entrapped in pit fluids.

13. If paleontologic or cultural materials are uncovered during construction, the operator shall immediately stop work that might further disturb or move such materials and contact the Authorized Officer (AO) within 48 hours. A determination will be made by the AO as to necessary mitigation for the discovered paleontologic/cultural material.
14. If Uinta Basin hookless cactus or other special status plants are found, construction will cease and the AO will be notified to determine the appropriate mitigation.
15. The interim seed mix for this location shall be:

Indian Ricegrass (<i>Oryzopsis hymenoides</i>)	4 lbs/acre
Needle and Threadgrass (<i>Stipa comata</i>):	4 lbs/acre
Scarlet Globemallow (<i>Sphaeralcea coccinea</i>):	1 lb/acre
Winter Fat (<i>Ceratoides lanata</i>)	3 lbs/acre
16. All pounds are in pure live seed.
17. Rates are set for drill seeding; double the rate if broadcasting.
18. Reseeding may be required if initial seeding is not successful.
19. The operator will be responsible for treatment and control of invasive and noxious weeds.
20. The topsoil from the reserve pit shall be stripped and piled separately near the reserve pit. When the reserve pit is closed, it shall be re-contoured and the topsoil re-spread, and the area shall be seeded in the same manner as the location topsoil.
21. Once the location is plugged and abandoned, it shall be re-contoured to natural topology, topsoil shall be re-spread, and the entire location shall be seeded with a seed mix recommended by the AO (preferably of native origin). Seed application will follow all guidelines in the interim seed mix bullet statement above. If reclamation seeding should take place using the broadcast method, the seed at a minimum will be walked into the soil with a dozer immediately after the seeding is completed.
22. The authorized officer may prohibit surface disturbing activities during severe winter conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
23. The authorized officer may prohibit surface disturbing activities during wet or muddy conditions to minimize watershed damage. This limitation does not apply to operation and maintenance of producing wells.
24. All well facilities not regulated by OSHA will be painted Carlsbad Canyon.
25. All boulders with a length or diameter greater than 3 feet, that are found showing at the surface, will be stockpiled for use during final reclamation.
26. Notify the Authorized Officer 48 hours prior to surface disturbing activities.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. None

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. The lessee/operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled and analyzed (a copy of the analyses to be submitted to the BLM Field Office in Vernal, Utah).
6. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

7. The lessee/operator must report encounters of all non oil & gas mineral resources (such as gilsonite, tar sands, oil shale, etc.) to a geologist of the Vernal Field Office in writing within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
8. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
9. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

10. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.

11. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

12. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
13. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
14. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - a. Operator name, address, and telephone number.
 - b. Well name and number.
 - c. Well location (1/4 1/4, Sec., Twn, Rng, and P.M.).
 - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
 - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.

- g. Unit agreement and / or participating area name and number, if applicable.
 - h. Communitization agreement number, if applicable.
15. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
 16. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production
 17. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
 18. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU-52018

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

FEDERAL 8-20-9-16

9. API Well No.

43-013-33107

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UT.

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

2133 FNL 746 FEL SE/NE Section 20, T9S R16E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Permit Extension**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Newfield Production Company requests to extend the Permit to Drill this well for one year. The original approval date was 3/27/06 (expiration 3/27/07).

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 03-12-07
By: [Signature]

3-12-07
pm

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MAR 09 2007

DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed

[Signature]
Mandie Crozier

Title

Regulatory Specialist

Date

3/5/2007

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: Utah DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-013-33107
Well Name: Federal 8-20-9-16
Location: SE/NE Section 20,T9S R16E
Company Permit Issued to: Newfield Production Company
Date Original Permit Issued: 3/27/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒ NA

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

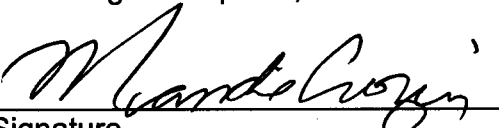
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐


Signature

3/5/2007

Date

Title: Regulatory Specialist

Representing: Newfield Production Company

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MAR 09 2007

DIV. OF OIL, GAS & MINING

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: Newfield Production Company

Well Name: Federal 8-20-9-16

API No: 43-013-33107 Lease Type: Federal

Section 20 Township 09S Range 16E County Duchesne

Drilling Contractor NDSI Rig # NS#1

SPUDDED:

Date 6-6-07

Time 12:00 PM

How Dry

Drilling will Commence: _____

Reported by Don Bastian

Telephone # 435-823-6012

Date 6-6-07 Signed RM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3636
MYTON, UT 84062

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	16171	4301333024	FEDERAL 3-22-9-16	NENW	22	9S	16E	DUCHESNE	5/31/2007	6/14/07
WELL 1 COMMENTS: GRPV											
A	99999	16172	4301332913	ASHLEY FEDERAL 16-26-9-15	SESE	26	9S	15E	DUCHESNE	6/1/2007	6/14/07
GRPV											
B	99999	12187	4301333263	HE FEDERAL L-26-8-16 HAWKEYE	NWSE	26	8S	16E	DUCHESNE	6/4/2007	6/14/07
GRPV BHL = NE SW											
A	99999	16173	4301333107	FEDERAL 8-20-9-16	SENE	20	9S	16E	DUCHESNE	6/5/2007	6/14/07
GRPV											
A	99999	16174	4301333106	FEDERAL 7-20-9-16	SWNE	20	9S	16E	DUCHESNE	6/6/2007	6/14/07
WELL 5 COMMENTS: GRPV											
WELL 5 COMMENTS: GRPV											

ACTION CODES (See instructions on back of form)
A - new entity for new well (single well only)
B - well to existing entity (group or unit well)
C - new one existing entity to another existing entity
D - well from one existing entity to a new entity
E - other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

RECEIVED

JUN 06 2007

DIV. OF OIL, GAS & MINING

Jentri Park
Signature
Production Clerk
June 6 2007
Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

USA UTU-52018

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 8-20-9-16

9. API Well No.

4301333107

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2133 FNL 746 FEL

SENE Section 20 T9S R16E

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Spud Notice _____
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/5/07 MIRU NDSI NS # 1. Spud well @ 12:00 PM. Drill 310' of 12 1/4" hole with air mist. TIH W/ 7 Jt's 8 5/8" J-55 24 # csgn. Set @ 313.80' / KB On 6/7/07 cement with 160 sks of class "G" w/ 2% CaCL2 + 1/4# sk Cello- Flake Mixed @ 15.8 ppg > 1.17 cf/sk yeild. Returned 4 bbls cement to pit. WOC.

RECEIVED
JUN 11 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Troy Zufelt

Signature

Title

Drilling Foreman

Date

06/08/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

8 5/8 CASING SET AT 313.8

LAST CASING 8 5/8" set @ 313.8
 DATUM 12' KB
 DATUM TO CUT OFF CASING _____
 DATUM TO BRADENHEAD FLANGE _____
 TD DRILLER 310 LOGGER _____
 HOLE SIZE 12 1/4

OPERATOR Newfield Production Company
 WELL Federal 8-20-9-16
 FIELD/PROSPECT Monument Butte
 CONTRACTOR & RIG # NDSI NS # 1

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH	
		Shoe Joint 38.45'						
		WHI - 92 csg head			8rd	A	0.95	
7	8 5/8"	Maverick ST&C csg	24#	J-55	8rd	A	301.95	
		GUIDE shoe			8rd	A	0.9	
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			303.8	
TOTAL LENGTH OF STRING		303.8	7	LESS CUT OFF PIECE			2	
LESS NON CSG. ITEMS		1.85		PLUS DATUM TO T/CUT OFF CSG			12	
PLUS FULL JTS. LEFT OUT		0		CASING SET DEPTH			313.8	
TOTAL		301.95	7	} COMPARE				
TOTAL CSG. DEL. (W/O THRDS)		301.95	7					
TIMING		1ST STAGE						
BEGIN RUN CSG.		Spud	6/5/2007	12:00 PM	GOOD CIRC THRU JOB			YES
CSG. IN HOLE			6/5/2007	5:00 PM	Bbls CMT CIRC TO SURFACE			4
BEGIN CIRC			6/7/2007	9:51 AM	RECIPROCATED PIPE FOR			N/A
BEGIN PUMP CMT			6/7/2007	10:06 AM				
BEGIN DSPL. CMT			6/7/2007	10:15 AM	BUMPED PLUG TO			650 PSI
PLUG DOWN			6/7/2007	10:23 AM				
CEMENT USED		CEMENT COMPANY- B. J.						
STAGE	# SX	CEMENT TYPE & ADDITIVES						
1	160	Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake mixed @ 15.8 ppg 1.17 cf/sk yield						
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING					
Centralizers - Middle first, top second & third for 3								

COMPANY REPRESENTATIVE Troy Zufelt DATE 6/7/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

REVIEW FOR FEDERAL AND/OR STATE OFFICE USE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

NEWFIELD PRODUCTION COMPANY

3a. Address

Route 3 Box 3630

Myton, UT 84052

3b. Phone (include area code)

435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2133 FNL 746 FEL

SENE Section 20 T9S R16E

5. Lease Serial No.

USA UTU-52018

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 8-20-9-16

9. API Well No.

4301333107

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	Weekly Status Report
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

On 6/10/07 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notified of test. PU BHA and tag cement @ 267'. Drill out cement & shoe. Drill a 7.875 hole with fresh water to a depth of 6050'. Lay down drill string & BHA. Open hole log w/ Dig/SP/GR log's TD to surface. PU & TIH with Guide shoe, shoe jt, float collar, 134 jt's of 5.5 J-55, 15.5# csgn. Set @ 5934' / KB. Cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 425 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 40 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 100,000 #'s tension. Release rig @ 5:30 PM on 6/16/07.

RECEIVED

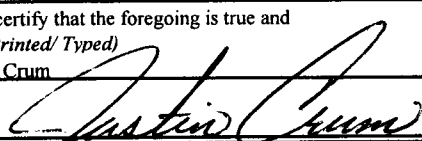
JUN 19 2007

DIV. OF OIL, GAS & MINING

I hereby certify that the foregoing is true and correct (Printed/ Typed)

Justin Crum

Signature



Title

Drilling Foreman

Date

06/17/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

<p style="text-align: center;"><u>5 1/2"</u> CASING SET AT <u>5934</u></p> <p>LAST CASING <u>8 5/8"</u> Set @ <u>313.8</u></p> <p>DATUM <u>12' KB</u></p> <p>DATUM TO CUT OFF CASING <u>12'</u></p> <p>DATUM TO BRADENHEAD FLANGE _____</p> <p>TD DRILLER <u>5950'</u> TD loggers _____</p> <p>HOLE SIZE <u>7 7/8"</u></p>	<p>Flt cllr @ <u>5890.14</u></p> <p>OPERATOR <u>Newfield Production Company</u></p> <p>WELL <u>Federal 8-20-9-16</u></p> <p>FIELD/PROSPECT <u>Monument Butte</u></p> <p>CONTRACTOR & RIG # <u>Patterson-UTI Rig # 155</u></p>
--	---

LOG OF CASING STRING:							
PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 5.58' @ 3946.85'					
133	5 1/2"	ETC LT & C casing	15.5#	J-55	8rd	A	5876.14
							0.6
1	5 1/2"	ETC LT&C csg	15.5#	J-55	8rd	A	44.61
		GUIDE shoe			8rd	A	0.65
CASING INVENTORY BAL.		FEET	JTS	TOTAL LENGTH OF STRING			5936.00
TOTAL LENGTH OF STRING		5936.00	134	LESS CUT OFF PIECE			14
LESS NON CSG. ITEMS		15.25		PLUS DATUM TO T/CUT OFF CSG			12
PLUS FULL JTS. LEFT OUT		203.32	5	CASING SET DEPTH			5934
TOTAL		6124.07	139	} COMPARE			
TOTAL CSG. DEL. (W/O THRDS)		6124.07	139				
TIMING		1ST STAGE	2nd STAGE				
BEGIN RUN CSG.		6/15/2007	5:00 AM	GOOD CIRC THRU JOB		Yes	
CSG. IN HOLE		6/16/2007	10:00 AM	Bbls CMT CIRC to surface		40	
BEGIN CIRC		6/16/2007	10:05 AM	RECIPROCATED PIPE FOR		<u>THRUSTROKE</u>	
BEGIN PUMP CMT		6/16/2007	11:42 AM	DID BACK PRES. VALVE HOLD ?		Yes	
BEGIN DSPL. CMT		6/16/2007	12:42 PM	BUMPED PLUG TO		1500	PSI
PLUG DOWN		6/16/2007	1:04 AM				
CEMENT USED		CEMENT COMPANY- B. J.					
STAGE	# SX	CEMENT TYPE & ADDITIVES					
1	300	Premlite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake					
		mixed @ 11.0 ppg W / 3.49 cf/sk yield					
2	425	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD					
CENTRALIZER & SCRATCHER PLACEMENT			SHOW MAKE & SPACING				
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.							

COMPANY REPRESENTATIVE Justin Crum DATE 6/17/2007

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone (include area code)
435.646.3721

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
2133 FNL 746 FEL
SENE Section 20 T9S R16E

5. Lease Serial No.

USA UTU-52018

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or

8. Well Name and No.

FEDERAL 8-20-9-16

9. API Well No.

4301333107

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production(Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug & Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

I hereby certify that the foregoing is true and
correct (Printed/ Typed)

Mandie Crozier

Signature

Title

Regulatory Specialist

Date

07/11/2007

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or
certify that the applicant holds legal or equitable title to those rights in the subject lease
which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United
States any false, fictitious and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
JUL 13 2007
DIV. OF OIL, GAS & MINING

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF WELL

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR. ☐ Other _____

2. NAME OF OPERATOR

Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.

1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface 2133' FNL & 746' FEL (SE/NE) Sec. 20, T9S, R16E

At top prod. Interval reported below

At total depth

14. API NO. 43-013-33107 DATE ISSUED 03/27/07

5. LEASE DESIGNATION AND SERIAL NO.

UTU-52018

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

NA

7. UNIT AGREEMENT NAME

Federal

8. FARM OR LEASE NAME, WELL NO.

Federal 8-20-9-16

9. WELL NO.

43-013-33107

10. FIELD AND POOL OR WILDCAT

Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 20, T9S, R16E

12. COUNTY OR PARISH

Duchesne

13. STATE

UT

15. DATE SPUDDED

06/05/07

16. DATE T.D. REACHED

06/15/07

17. DATE COMPL. (Ready to prod.)

07/09/07

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6055' GL 6067' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5950'

21. PLUG BACK T.D., MD & TVD

5880'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

----->

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

Green River 4570-5492'

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	314'	12-1/4"	To surface with 160 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5934'	7-7/8"	300 sx Premlite II and 425 sx 50/50 Poz	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	EOT @ 5547'	TA @ 5448'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
(CP1) 5484'-5492'	.49"	4/32	5484'-5492'	Frac w/ 15,470# 20/40 sand in 274 bbls fluid
(LODC) 5270'-5280'	.49"	4/40	5270'-5280'	Frac w/ 29,548# 20/40 sand in 365 bbls fluid
(LODC) 5164'-5176', 5129'-5138'	.49"	4/84	5129'-5176'	Frac w/ 95,147# 20/40 sand in 706 bbls fluid
(LODC) 5055'-5074'	.49"	4/76	5055'-5074'	Frac w/ 71,220 20/40 sand in 719 bbls fluid
(A1) 4963'-4971'	.49"	4/32	4963'-4971'	Frac w/ 40,277# 20/40 sand in 492 bbls fluid
(C & D3) 4704'-4709', 4656'-4663'	.49"	4/48	4656'-4709'	Frac w/ 29,723# 20/40 sand in 376 bbls fluid
(D1) 4570'-4576'	.49"	4/24	4570'-4576'	Frac w/ 42,080# 20/40 sand in 356 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION 07/09/07		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) 2-1/2" x 1-1/2" x 12' x15' RHAC SM Plunger Pump					WELL STATUS (Producing or shut-in) PRODUCING	
DATE OF TEST 10 day ave	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD ----->	OIL--BBLs. 8	GAS--MCF. 5	WATER--BBL. 62	GAS-OIL RATIO 625	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE ----->	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold & Used for Fuel

RECEIVED

35. LIST OF ATTACHMENTS

JUL 27 2007

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Jentri Park

TITLE

Production Clerk DIV. OF OIL, GAS & MINING

DATE 7/25/2007

Jentri Park

JP

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Well Name Federal 8-20-9-16	Garden Gulch Mkr	3594'	
				Garden Gulch 1	3787'	
				Garden Gulch 2	3892'	
				Point 3 Mkr	4136'	
				X Mkr	4396'	
				Y-Mkr	4429'	
				Douglas Creek Mkr	4540'	
				BiCarbonate Mkr	4772'	
				B Limestone Mkr	4863'	
				Castle Peak	5444'	
				Basal Carbonate	5882'	
				Total Depth (LOGGERS	5945'	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
USA UTU-52018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:
FEDERAL 8-20-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
4301333107

3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

10. FIELD AND POOL, OR WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL:
FOOTAGES AT SURFACE: 2133 FNL 746 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SENE, 20, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/24/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07/09/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 07/24/2007

(This space for State use only)

RECEIVED
JUL 27 2007

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 8-20-9-16**5/1/2007 To 9/30/2007****6/29/2007 Day: 1****Completion**

Rigless on 6/28/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

7/2/2007 Day: 2**Completion**

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

7/5/2007 Day: 3**Completion**

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963- 71' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump bail acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.

7/6/2007 Day: 4

Completion

Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.

7/7/2007 Day: 5

Completion

NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvl, C/Out To Plg @ 4810', Drill Up Plg, Swvl I/Hle To Fill @ 4963', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5024', C/Out To Plg @ 5110', Drill Up Plg, Swvl I/Hle To Fill @ 5159', C/Out To Plg @ 5230', Drill Up Plg, Swvl I/Hle To Fill @ 5340', C/Out To Plg @ 5380', Drill Up Plg, Swvl I/Hle To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recvery For Day = 197 Bbls.

7/10/2007 Day: 6

Completion

NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86" SL, 5 SPM, (Final Report).

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

USA UTU-52018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL:

OIL WELL ☒ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER:

FEDERAL 7-20-9-16

2. NAME OF OPERATOR:

NEWFIELD PRODUCTION COMPANY

9. API NUMBER:

4301333106

3. ADDRESS OF OPERATOR:

Route 3 Box 3630 CITY Myton STATE UT ZIP 84052

PHONE NUMBER

435.646.3721

10. FIELD AND POOL, OR WILDCAT:

MONUMENT BUTTE

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 2098 FNL 1961 FEL

COUNTY: DUCHESNE

OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: SWNE, 20, T9S, R16E

STATE: UT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 07/31/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Weekly Status Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well was completed on 07/12/07, attached is a daily completion status report.

NAME (PLEASE PRINT) Jentri Park

TITLE Production Clerk

SIGNATURE

DATE 07/31/2007

(This space for State use only)

RECEIVED

AUG 07 2007

DIV. OF OIL, GAS & MINING

Daily Activity Report

Format For Sundry

FEDERAL 7-20-9-16**5/1/2007 To 9/30/2007****7/3/2007 Day: 1****Completion**

Rigless on 7/2/2007 - nstall 5m frac head. NU 6" 5K Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5847' & cement top @ 48'. Perforate stage #1, LODC sds @ 5279-90' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°) w/ 4 spf for total of 44 shots. 140 bbls EWTR. SIFN.

7/10/2007 Day: 2**Completion**

Rigless on 7/9/2007 - Stage #1, LODC sds RU BJ Services. 10 psi on well. Frac LODC sds w/ 29,554#'s of 20/40 sand in 370 bbls of Lightning 17 fluid. Broke @ 2750 psi. Treated w/ ave pressure of 1987 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2284 psi. Leave pressure on well. 370 BWTR. Stage #2, LODC sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite flow through frac plug, 8' perf gun. Set plug @ 5140'. Perforate LODC sds @ 5030-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. RU BJ Services. 1930 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 1740 psi on well Frac LODC sds w/ 24,274#'s of 20/40 sand in 368 bbls of Lightning 17 fluid. Broke @ 2156 psi. Treated w/ ave pressure of 2044 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2143 psi. Leave pressure on well. 368 BWTR. Stage #3, A3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 11' perf gun. Set plug @ 5010'. Perforate A3 sds @ 4946-57' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 44 shots. RU BJ Services. 89 psi on well. Perfs would not break. RU Lone Wolf WL. Dump bail acid on perfs. RU BJ Services. 76 psi on well Frac A3 sds w/ 40,017#'s of 20/40 sand in 427 bbls of Lightning 17 fluid. Broke @ 2935 psi. Treated w/ ave pressure of 1862 psi @ ave rate of 24.7 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2238 psi. Leave pressure on well. 427 BWTR. Stage #4, D3 sds RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 13' perf gun. Set plug @ 4770'. Perforate D3 sds @ 4655-68' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 52 shots. RU BJ Services. 1600 psi on well. Frac D3 sds w/ 48,763#'s of 20/40 sand in 450 bbls of Lightning 17 fluid. Broke @ 4031 psi. Treated w/ ave pressure of 1737 psi @ ave rate of 24.8 BPM. Open well to pit for immediate flowback @ 1 bpm. Well flowed for 3 hrs. & died. Recovered 160 bbls water. MIRU NC #1. SWIFN.

7/11/2007 Day: 3**Completion**

NC #1 on 7/10/2007 - 6:30AM OWU, N/D 10,000 BOP & Frac Flnge, N/U 3,000 Flnge & 5,000 BOP, P/U & RIH W/-4 3/4 Bit, Bit Sub & 151 Jts Tbg To Plg @ 4770', Drill Up Plg, Swvl I/Hle To Fill @ 4939', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5087', C/Out To Plg @ 5140', Drill Up Plg, Swvl I/Hle To Fill @ 5722', C/Out To PBTD @ 5879', Curc Well Clean, 30 Min, R/D Swvl, POOH W/-4 Jts Tbg EOB @ 5751', 6:30PM C/SDFN. Lost 22 Bbls Wtr For Day.

7/12/2007 Day: 4**Completion**

NC #1 on 7/11/2007 - 6:30AM OWU, R/U Swab, RIH IFL @ Surf, Made 14 Swab Runs Recvred 165 Bbls Wtr, Lite Trce Oil, Lite Trce Sand FFL @ 1900', R/D Swab, RIH W/-4 Jts Tbg To Fill @ 5873', 6' Of New Fill, R/U R/pmp & C/Out To PBTD @ 5879', Curc Well Clean, POOH W/-188 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-N/C, 2 Jts Tbg, S/N, 1 Jt Tbg, 5 1/2 T/A, 166 Jts Tbg, SWI, 6:00PM C/SDFN, 6:00PM. Lost 51 Bbls Wtr On C/Out To PBTD, Recvred 165 Bbls Wtr Swabbing, Total Recvery For Day = 114 Bbls.

7/13/2007 Day: 5

Completion

NC #1 on 7/12/2007 - 6:30AM OWU, N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD, R/U R / pmp & Flsh Tbg W/-60 Bbls Wtr, P/U & RIH W/-CDI-2 1/2x1 1/2x12x16' RHAC & ROD String Shown Below. Seat pmp, R/U Unit, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig, POP @ 1:30PM, 85" SL, 5 SPM, (Final Report).

Pertinent Files: Go to File List

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 8-20-9-16
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2133 FNL 0746 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 20 Township: 09.0S Range: 16.0E Meridian: S		9. API NUMBER: 43013331070000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/9/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p style="text-align: center;">The above reference well was put on injection at 12:00 PM on 07/09/2014</p> </div> <div style="width: 35%; text-align: center;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>July 11, 2014</p> </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/10/2014	



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

UNDERGROUND INJECTION CONTROL PERMIT

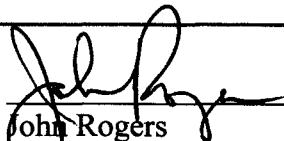
Cause No. UIC-415

Operator: Newfield Production Company
Well: Federal 8-20-9-16
Location: Section 20, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-33107
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 19, 2014.
2. Maximum Allowable Injection Pressure: 1,670 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,893' – 5,880')
5. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by:


John Rogers
Associate Director

Date

7/2/14

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File

N:\O&G Reviewed Docs\ChronFile\UIC\Newfield





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 19, 2014

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Federal 8-20-9-16, Section 20, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-33107

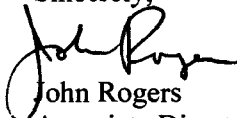
Ladies and Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.
3. A casing\ tubing pressure test shall be conducted prior to commencing injection.
4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.
5. The top of the injection interval shall be limited to a depth no higher than 3,893 feet in the Federal 8-20-9-16 well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

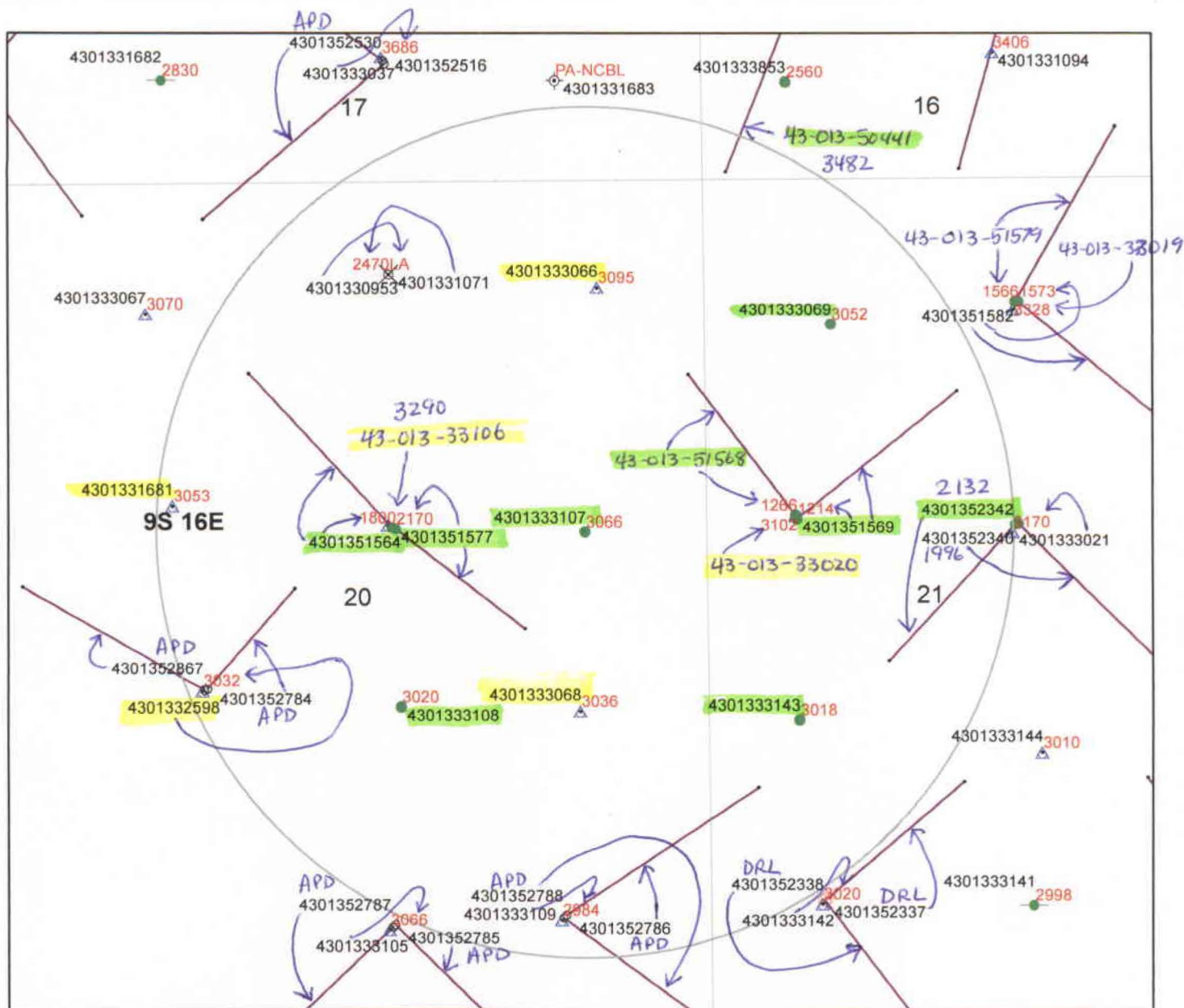

John Rogers
Associate Director

JR/MLR/js

cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
SITLA
Duchesne County
Newfield Production Company, Myton
Well File

N:\O&G Reviewed Docs\ChronFile\UIC





Legend

Oil & Gas Well Type

- APD-Approved Permit
- ⊙ DRL-Spudded (Drilling Commenced)
- ⊗ GIW-Gas Injection Well
- _{GS} GSW-Gas Storage Well
- × LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- ⊙ PA-Pugged & Abandoned
- ⊙ PGW-Producing Gas Well
- POW-Producing Oil Well *in AOR*
- ▲ RET-Returned APD
- ⊙ SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- ⊙ TA-Temp Abandoned
- TW-Test Well
- ⊙ WDW-Water Disposal Well
- ▲ WIW-Water Injection Well *in AOR*
- WSW-Water Supply Well

Cement Bond Tops Federal 8-20-9-16 API #43-013-33107 UIC-415.12

0 0.05 0.1 0.2 0.3 0.4 Miles



- 4585 Depth to top of suitable cement bond
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
- Wells-CbtltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED. TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune

MEDIAONE

Deseret News

PROOF OF PUBLICATION

CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMP #1210 P.O. BOX 145801 SALT LAKE CITY, UT 84114	9001402352 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-415	12/13/2013

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
State 2-16-9-16 well located in NW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-33846
State 13-16-9-16 well located in SW/4 SW/4, Section 16, Township 9 South, Range 16 East
API 43-013-33853
Castle Peak 32-16 well located in SW/4 NE/4, Section 16, Township 9 South, Range 16 East
API 43-013-30650
Federal 10-17-9-16 well located in NW/4 SE/4, Section 17, Township 9 South, Range 16 East
API 43-013-33033
Federal 12-17-9-16 well located in NW/4 SW/4, Section 17, Township 9 South, Range 16 East
API 43-013-33035
Federal 16-18-9-16 well located in SE/4 SE/4, Section 18, Township 9 South, Range 16 East
API 43-013-32922
Federal 2-19-9-16 well located in NW/4 NE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33063
Federal 6-19-9-16 well located in SE/4 NW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33100
Federal 12-19-9-16 well located in NW/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33102
Federal 14-19-9-16 well located in SE/4 SW/4, Section 19, Township 9 South, Range 16 East
API 43-013-33161
Federal 16-19-9-16 well located in SE/4 SE/4, Section 19, Township 9 South, Range 16 East
API 43-013-33163
Federal 8-20-9-16 well located in SE/4 NE/4, Section 20, Township 9 South, Range 16 East
API 43-013-33107
Federal 3-21-9-16 well located in NE/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33019
Federal 4-21-9-16 well located in NW/4 NW/4, Section 21, Township 9 South, Range 16 East
API 43-013-33069
Federal 8-21-9-16 well located in SE/4 NE/4, Section 21, Township 9 South, Range 16 East
API 43-013-33023
Federal 2-23-9-16 well located in NW/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-33003
Castle Peak Federal 6-23 well located in SE/4 NW/4, Section 23, Township 9 South, Range 16 East
API 43-013-30873
Federal 8-23-9-16 well located in SE/4 NE/4, Section 23, Township 9 South, Range 16 East
API 43-013-32961
Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/ Brad Hill
Permitting Manager

923758
NEWSPAPER PUBLICATION DATE AND REMAINS ON

VIRGINIA CRAFT
Notary Public State of Utah
Commission # 581469
My Commission Expires
January 12, 2014

Virginia Craft
NOTARY SIGNATURE

ACCOUNT NAME	
DIV OF OIL-GAS & MINING	
TELEPHONE	ADORDER
8015385340	0000927358
SCHEDULE	
Start 12/13/2013	End 12/13/2013
CUST. REF. NO.	
Newfield Cause UIC-415	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT	
SIZE	
94 Lines	3.00
TIMES	
3	
MISC. CHARGES	
RECEIVED	
DEC 20 2013	

DIV. OF OIL, GAS & MINING AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I C
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RES
CAUSE NO. UIC-415 IN THE MATTER OF THE APPLICA FOR DIV OF OIL-GAS & MIN
COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND D
ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT
NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEW
UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

Start 12/13/2013 End 12/13/2013

PUBLISHED ON

SIGNATURE

DATE 12/13/2013

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

2210/REB/4131

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

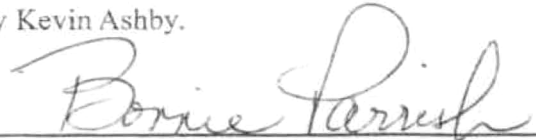
I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 17 day of December, 20 13, and that the last publication of such notice was in the issue of such newspaper dated the 17 day of December, 20 13, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.


Publisher

Subscribed and sworn to before me on this

23 day of December, 20 13

by Kevin Ashby.


Notary Public



NOTICE OF AGENCY ACTION CAUSE NO. UIC-415

BEFORE THE
DIVISION OF OIL,
GAS AND MINING,
DEPARTMENT OF
NATURAL RE-
SOURCES, STATE
OF UTAH.

IN THE MATTER
OF THE APPLICA-
TION OF NEW-
FIELD PRODUC-
TION COMPANY
FOR ADMINISTRA-
TIVE APPROVAL
OF CERTAIN
WELLS LOCATED
IN SECTIONS 16,
17, 18, 19, 20, 21, 23,
and 24, TOWNSHIP
9 SOUTH, RANGE
16 EAST, DUCH-
ESNE COUNTY,
UTAH, AS CLASS
II INJECTION
WELLS.

THE STATE OF
UTAH TO ALL PER-
SONS INTERESTED
IN THE ABOVE
ENTITLED MAT-
TER.

Notice is hereby
given that the Divi-
sion of Oil, Gas and
Mining (the "Divi-
sion") is commencing
an informal adjudi-
cative proceeding
to consider the ap-
plication of Newfield
Production Company,
1001 17th Street,

Continued on next page

Continued from
previous page

Suite 2000, Denver,
Colorado 80202, tele-
phone 303-893-0102,
for administrative ap-
proval of the following
wells located in Duch-
esne County, Utah, for
conversion to Class II
injection wells:

'Greater Monument
Butte Unit:

State 2-16-9-16 well
located in NW/4 NE/4,
Section 16, Township 9
South, Range 16 East
API 43-013-33846

State 13-16-9-16
well located in SW/4
SW/4, Section 16,
Township 9 South,
Range 16 East
API 43-013-33853

Castle Peak 32-16
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18, Township 9 South,
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19, Township 9 South,
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API 43-013-33102

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16 well located in
SE/4 SW/4, Section
19, Township 9 South,

Any person desi-
ing to object to th
application or otl
erwise intervene
the proceeding, mu
file a written prote
or notice of interve
within fifteen day
following publicati
of this notice. The
vision's Presiding C
ficer for the proceedi
is Brad Hill, Permit
Manager, at P.O. B
145801, Salt Lake Ci
UT 84114-5801, pho
number (801) 53
5340. If such a prot
or notice of interve
tion is received, a he
ing will be schedul
in accordance wi
the aforementioned
administrative pr
cedural rules. Prot
stants and/or inter
ers should be prepar
to demonstrate at
hearing how this mat
affects their interest

Dated this 11th d
of December, 2013
STATE OF UTAH
DIVISION OF O
GAS & MINING

/s/
Brad Hill
Permitting Mana
Published in
Uintah Basin Stand
December 17, 2013

RECEIVED

DEC 24 2013

DIV. OF OIL, GAS & MINING

Federal 14-19-9-
16 well located in
SE/4 SW/4, Section
19, Township 9 South,
Range 16 East

API 43-013-33161

Federal 16-19-9-
16 well located in
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19, Township 9 South,
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API 43-013-33163

Federal 8-20-9-16
well located in SE/4
NE/4, Section 20,
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API 43-013-33107

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well located in NE/4
NW/4, Section 21,
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Range 16 East

API 43-013-33019

Federal 4-21-9-16
well located in NW/4
NW/4, Section 21,
Township 9 South,
Range 16 East

API 43-013-33069

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NE/4, Section 21,
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API 43-013-33023

Federal 2-23-9-16
well located in NW/4
NE/4, Section 23,
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Range 16 East

API 43-013-33003

Castle Peak Federal
6-23 well located in
SE/4 NW/4, Section
23, Township 9 South,
Range 16 East

API 43-013-30873

Federal 8-23-9-16
well located in SE/4
NE/4, Section 23,
Township 9 South,
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API 43-013-32961

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Range 16 East

API 43-013-33343

The proceeding will
be conducted in ac-
cordance with Utah
Admin. R649-10, Ad-
ministrative Proce-
dures.

Selected zones in the
Green River Formation
will be used for water
injection. The maxi-
mum requested injec-
tion pressures and rates
will be determined
based on fracture gra-
dient information sub-
mitted by Newfield
Production Company.

**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS**

Applicant: Newfield Production Company **Well:** Federal 8-20-9-16

Location: 20/9S/16E **API:** 43-013-33107

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM and the State of Utah. The Federal Government and the State of Utah are the mineral owners within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and leaseholders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 314 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,934 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,066 feet or higher. A 2 7/8 inch tubing with a packer will be set at 4,520 feet. Higher perforations may be opened at a later date. A mechanical integrity test will be run on the well prior to injection. On the basis of surface location, there are 8 producing wells, 6 injection wells, 1 shut-in well, and 1 temporarily abandoned well in the AOR. In addition, there is 1 horizontal producing well, with a surface location outside the AOR and a bottom hole location inside the AOR and 1 directionally drilled well with a surface location outside the AOR and a bottom hole location inside the AOR. Finally, there is 1 approved surface location inside the AOR for a horizontal well with a proposed bottom hole location outside the AOR. All existing wells within the AOR have evidence of adequate casing and cement for the proposed injection interval.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 2700 feet. Injection shall be limited to the interval between 3,893 feet and 5,880 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the 8-20-9-16 well is 0.80 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,670 psig. The requested maximum pressure is 1,670 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in the adjacent confining intervals. Any groundwater present should be adequately protected.

Federal 8-20-9-16

page 2

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold

Date: 3/19/2014

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-415

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 16, 17, 18, 19, 20, 21, 23, and 24, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32961

Federal 14-24-9-16 well located in SE/4 SW/4, Section 24, Township 9 South, Range 16 East
API 43-013-33343

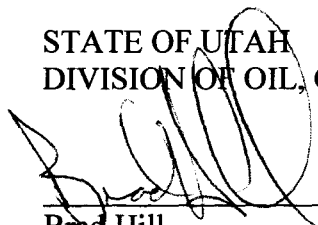
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Dated this 11th day of December, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



Brad Hill
Permitting Manager

Newfield Production Company

**STATE 2-16-9-16, STATE 13-16-9-16, CASTLE PEAK 32-16,
FEDERAL 10-17-9-16, FEDERAL 12-17-9-16, FEDERAL 16-18-9-16,
FEDERAL 2-19-9-16, FEDERAL 6-19-9-16, FEDERAL 12-19-9-16,
FEDERAL 14-19-9-16, FEDERAL 16-19-9-16, FEDERAL 8-20-9-16,
FEDERAL 3-21-9-16, FEDERAL 4-21-9-16, FEDERAL 8-21-9-16,
FEDERAL 2-23-9-16, CASTLE PEAK FEDERAL 6-23,
FEDERAL 8-23-9-16, FEDERAL 14-24-9-16**

Cause No. UIC-415

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

SITLA
675 E 500 S Ste 500
Salt Lake City, UT 84102-2818

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

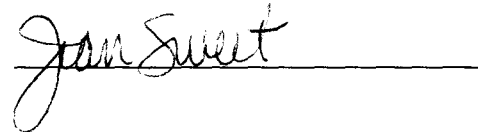
Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

A handwritten signature in cursive script, reading "Jan Sweet", is written over a horizontal line.



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

State of Utah Mail - Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

1 message

UB Standard Legals <ubslegals@ubmedia.biz>

Thu, Dec 12, 2013 at 1:22 PM

To: Jean Sweet <jsweet@utah.gov>

On 12/12/2013 11:59 AM, Jean Sweet wrote:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining

PO Box 145801

Salt Lake City, UT 84114-5801

Sincerely,

Jean

—

Jean Sweet
Executive Secretary
Utah Division of Oil, Gas and Mining
801-538-5329

This will publish Dec. 17. Thank you. Merry Christmas.
Cindy



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

December 12, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-415

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Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

12/12/2013

State of Utah Mail - Proof for Notice

Jean Sweet <jsweet@utah.gov>

Proof for Notice

1 message

Stowe, Ken <naclegal@mediaoneutah.com>

Thu, Dec 12, 2013 at 12:34 PM

Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>

To: jsweet@utah.gov

AD# 927358

Run SL Trib & Des News 12/13

Cost \$478.76

Thank You



OrderConf.pdf

185K

Order Confirmation for Ad #0000927358-01

Client	DIV OF OIL-GAS & MINING	Payor Customer	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	Payor Phone	801-538-5340
Account#	9001402352	Payor Account	9001402352
Address	1594 W NORTH TEMP #1210, P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	Payor Address	1594 W NORTH TEMP #1210, P.O. BOX SALT LAKE CITY, UT 84114
Fax	801-359-3940	Ordered By	Acct. Exec
EMail	juliecarter@utah.gov	Jean	kstowe

Total Amount	\$478.76			
Payment Amt	\$0.00			
Amount Due	\$478.76	Tear Sheets	Proofs	Affidavits
		0	0	1
Payment Method		PO Number	Newfield Cause UIC-4	
Confirmation Notes:				
Text:	Jean			

Ad Type	Ad Size	Color
Legal Liner	3.0 X 94 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	Placement	Position
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	12/13/2013	
Product	Placement	Position
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	12/13/2013	

Order Confirmation for Ad #0000927358-01

Ad Content Proof Actual Size

NEWFIELD



Newfield Exploration Company

1001 17th Street | Suite 2000

Denver, Colorado 80202

PH 303-893-0102 | FAX 303-893-0103

December 5, 2013

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

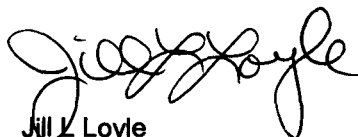
RE: Permit Application for Water Injection Well
Federal #8-20-9-16
Monument Butte Field, Lease #UTU-52018
Section 20-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Federal #8-20-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,


Jill L. Loyle
Regulatory Associate

RECEIVED

DEC 06 2013

DIV. OF OIL, GAS & MINING

NEWFIELD PRODUCTION COMPANY
APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL
FEDERAL #8-20-9-16
MONUMENT BUTTE FIELD (GREEN RIVER) FIELD
LEASE #UTU-52018
DECEMBER 5, 2013

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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Federal #8-20-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-52018
Well Location: QQ SENE section 20 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? Yes [X] No []
Will the proposed well be used for: Enhanced Recovery? Yes [X] No []
 Disposal? Yes [] No [X]
 Storage? Yes [] No [X]
Is this application for a new well to be drilled? Yes [] No [X]
If this application is for an existing well,
has a casing test been performed on the well? Yes [] No [X]
Date of test: _____
API number: 43-013-33107

Proposed injection interval: from 3893 to 5880
Proposed maximum injection: rate 500 bpd pressure 1670 psig
Proposed injection zone contains [x] oil, [] gas, and/or [] fresh water within 1/2
mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should
accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Jill L. Loyle Signature 
Title Regulatory Associate Date 12/5/13
Phone No. 303-383-4135

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

FEDERAL 8-20-9-16

Spud Date: 06/05/07
Put on Production: 07/09/07
GL: 6055' KB: 6067'

Proposed Injection Wellbore Diagram

SURFACE CASING

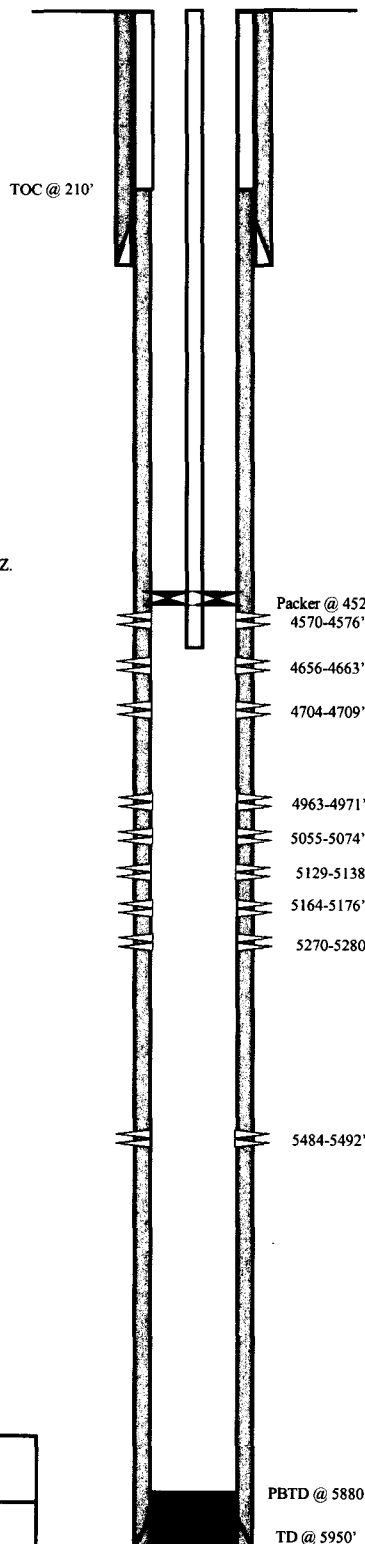
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (301.95')
DEPTH LANDED: 313.8' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 134 jts. (5920.75')
DEPTH LANDED: 5934.00' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP: 210' per CBL 6/28/07

TUBING (GI 5/21/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 174 jts (5422.26')
TUBING ANCHOR: 5434.26' KB
NO. OF JOINTS: 1 jt (31.65')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5468.71' KB
NO. OF JOINTS: 2 jts (62.72')
TOTAL STRING LENGTH: EOT @ 5532.98' KB



FRAC JOB

07/02/07	5484-5492'	Frac CP1 sands as follows: 15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.
07/02/07	5270-5280'	Frac LODC sands as follows: 29548# 20/40 sand in 365 bbls Lightning 17 frac fluid. Treated @ avg press of 2397 psi w/avg rate of 24.4 BPM. ISIP 2486 psi. Calc flush: 5268 gal. Actual flush: 4796 gal.
07/02/07	5129-5176'	Frac LODC sands as follows: 4712# 20/40 sand in 389 bbls Lightning 17 frac fluid. Blender Broke. Need to Refrac. ISIP 2340 psi. Calc. flush: 5127 gal. Actual flush: 5292 gal.
07/03/07	5129-5176'	Frac LODC sands as follows: 95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.
07/03/07	5055-5074'	Frac LODC sands as follows: 71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.
07/03/07	4963-4971'	Frac A1 sands as follows: 40277# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal.
07/05/07	4656-4709'	Frac D3&C sands as follows: 29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated @ avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.
07/05/07	4570-4576'	Frac D1 sands as follows: 42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.
2/10/09	5129-5138'	Pump Change. Updated r & t details.
5/26/2010	5164-5176'	Tubing leak. Updated rod and tubing detail.
	5270-5280'	

PERFORATION RECORD

06/28/07	5484-5492'	4 JSPF	32 holes
07/02/07	5270-5280'	4 JSPF	40 holes
07/02/07	5164-5176'	4 JSPF	48 holes
07/02/07	5129-5138'	4 JSPF	36 holes
07/03/07	5055-5074'	4 JSPF	76 holes
07/03/07	4963-4971'	4 JSPF	32 holes
07/03/07	4704-4709'	4 JSPF	20 holes
07/03/07	4656-4663'	4 JSPF	28 holes
07/05/07	4570-4576'	4 JSPF	24 holes

NEWFIELD

FEDERAL 8-20-9-16

2133' FNL & 746' FEL

SE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33107; Lease # UTU-52018

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.
2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.
3. Test casing and packer.
4. Rig down and move out.

**REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1**

- 1. Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**
- 2. A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Federal #8-20-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Federal #8-20-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3893' - 5880'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3571' and the TD is at 5950'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Federal #8-20-9-16 is on file with the Utah Division of Oil, Gas and Mining.

- 2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

- 2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.**

See Attachment B.

- 2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.**

See Attachment C.

- 2.10 Any additional information the Board may determine is necessary to adequately review the petition.**

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

- 4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.**

This proposed injection well is on a Federal lease (Lease #UTU-52018) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

**REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL,
STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2**

- 1. Injection well shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.**
- 2. The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**
 - 2.1 A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.**

See Attachments A and B.
 - 2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper and porosity.**

All logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.3 A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.
 - 2.4 Copies of logs already on file with the Division should be referenced, but need not be refilled.**

All copies of logs are on file with the Utah Division of Oil, Gas and Mining.
 - 2.5 A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

The casing program is 8-5/8", 24# surface casing run to 314' KB, and 5-1/2", 15.5# casing run from surface to 5934' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.
 - 2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.
 - 2.7 Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

See Attachment F.

2.8 The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1670 psig.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.

The minimum fracture gradient for the Federal #8-20-9-16, for existing perforations (4570' - 5492') calculates at 0.80 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1670 psig. We may add additional perforations between 3571' and 5950'. See Attachments G and G-1.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Federal #8-20-9-16, the proposed injection zone (3893' - 5880') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-13.

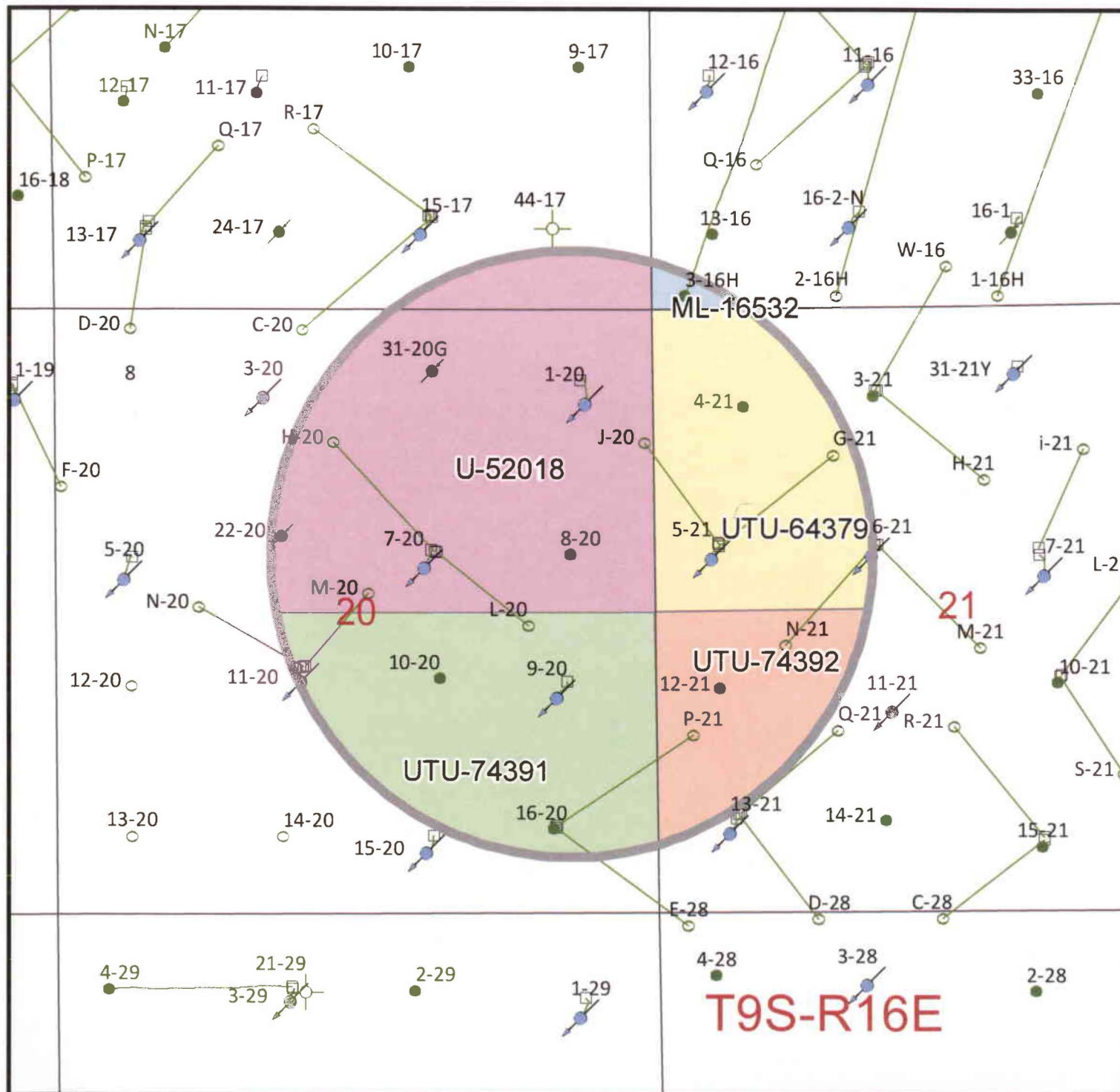
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.12 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.13 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.



Lease Number

- ML-16532
- U-52018
- UTU-64379
- UTU-74391
- UTU-74392

Half-Mile Buffer

Well Status

- Location
- CTI
- Surface Spud
- Drilling
- Waiting on Completion
- Producing Oil Well
- Producing Gas Well
- Water Injection Well
- Dry Hole
- Temporarily Abandoned
- Plugged & Abandoned
- Shut In
- Well Surface Location

Federal 8-20-9-16
Section 20, T9S-R16E

NEWFIELD

ROCKY MOUNTAINS¹ in = 1,250 feet

1/2 Mile Radius Map

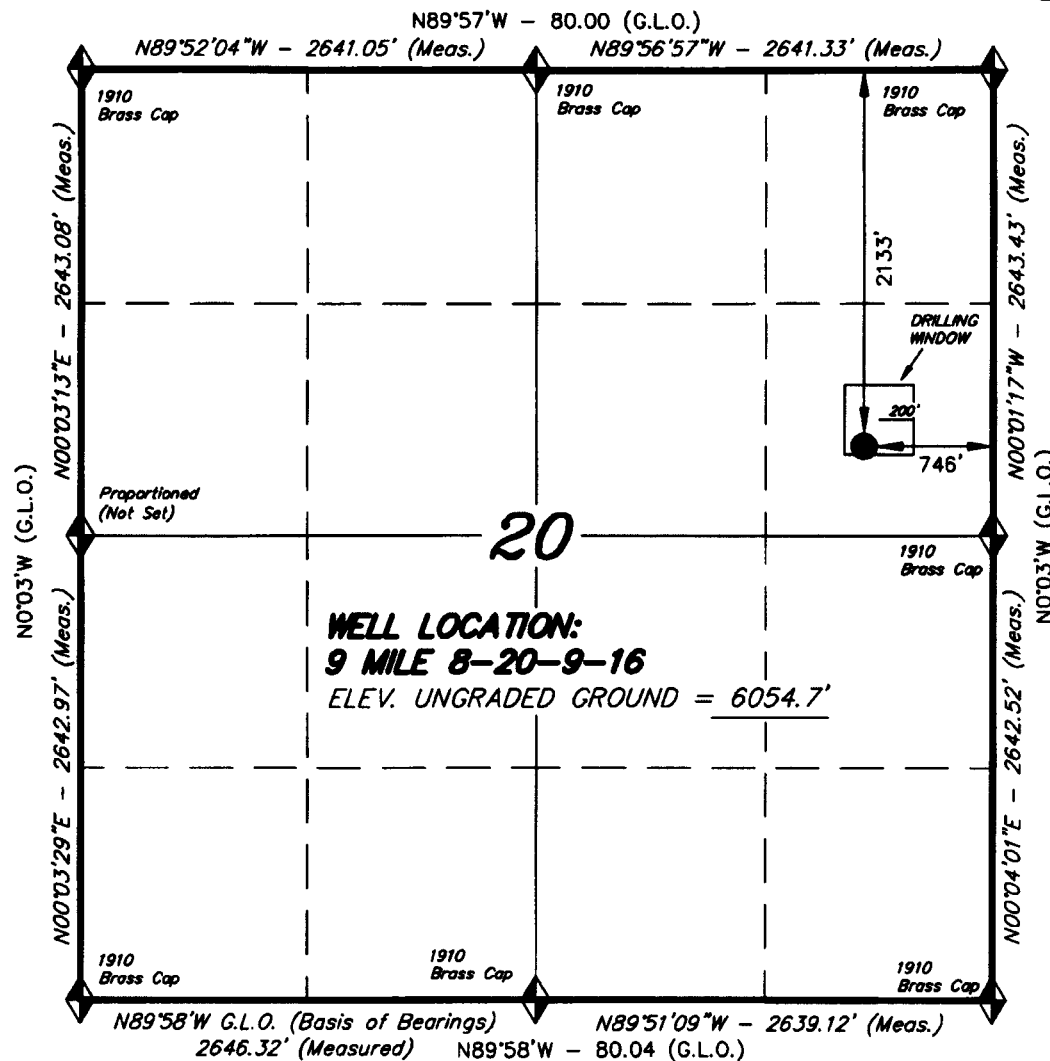
Duchesne County

1001 17th Street Suite 2000
Denver, Colorado 80202
Phone (303) 893-0102

Nov. 7, 2013

T9S, R16E, S.L.B.&M.**NEWFIELD PRODUCTION COMPANY**

WELL LOCATION, 9 MILE 8-20-9-16,
LOCATED AS SHOWN IN THE SE 1/4 NE
1/4 OF SECTION 20, T9S, R16E,
S.L.B.&M. DUCHESNE COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE REPORT WAS
PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
MADE BY ME OR UNDER MY SUPERVISION AND THAT
THE SAME ARE TRUE AND CORRECT TO THE BEST OF
MY KNOWLEDGE AND BELIEF. No. 189377

STACY W.
REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

◆ = SECTION CORNERS LOCATED

BASIS OF ELEV;
U.S.G.S. 7-1/2 min QUAD (MYTON SW)

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 03-09-06	SURVEYED BY: C.M.
DATE DRAWN: 03-14-06	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 17: S2 Section 20: N2	USA UTU-52018 HBP	Newfield Production Company Newfield RMI LLC	USA
2	T9S-R16E SLM Section 19: E2SW, SE, LOTS 3, 4 Section 20: S2 Section 29: All Section 30: All	USA UTU-74391 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-R16E SLM Section 21: S2 Section 22: NENE, S2 Section 23: SWSW Section 24: SESE Section 26: NENE Section 27: All Section 28: All	USA UTU-74392 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	T9S-R16E SLM Section 8: SWNE, SE Section 9: SWSW Section 17: NE Section 18: E2SW, SE, LOTS 3,4 Section 19: NE, E2NW, LOTS 1,2 Section 21: N2 Section 22: W2NE, SENE, NW	USA UTU-64379 HBP	Newfield Production Company Newfield RMI LLC Yates Petroleum Corp	USA

5 T9S-616E SLM
Section 16: All

State of Utah
ML 16532
HBP

Newfield RMI LLC
QEP Energy Company
El Paso E&P Company LP
American Petroleum Corp
Brave River Production
Trans Republic Resources Inc

State of Utah

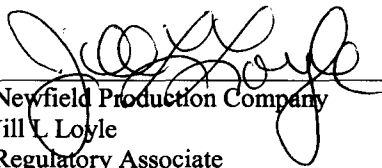
ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Federal #8-20-9-16

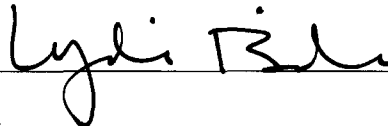
I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____


Newfield Production Company
Jill L. Loyle
Regulatory Associate

Sworn to and subscribed before me this 5th day of December, 2013.

Notary Public in and for the State of Colorado: _____



My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

FEDERAL 8-20-9-16

Spud Date: 06/05/07
Put on Production: 07/09/07
GL: 6055' KB: 6067'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
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SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5468.71' KB
NO. OF JOINTS: 2 jts (62.72')
TOTAL STRING LENGTH: EOT @ 5532.98' KB

SUCKER RODS (GI 5/21/10)

POLISHED ROD: 1-1/2" x 26' SM polished rods
SUCKER RODS: 100 x 3/4" guided rods, 58 x 3/4" sucker rods, 54 x 3/4" guided rods, 6 x 1-1/2" weight bars
PUMP SIZE: 2-1/2" x 1-1/2" x 12" x 16' RHAC
STROKE LENGTH: 86"
PUMP SPEED, SPM: 4.0
PUMPING UNIT: WEATHERFORD C-228-213-86

FRAC JOB

07/02/07 5484-5492' **Frac CP1 sands as follows:**
15470# 20/40 sand in 274 bbls Lightning 17 frac fluid. Treated @ avg press of 2490 psi w/avg rate of 24.6 BPM. ISIP 2369 psi. Calc flush: 5482 gal. Actual flush: 4981 gal.

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95147# 20/40 sand in 706 bbls Lightning 17 frac fluid. Treated @ avg press of 2554 psi w/avg rate of 24 BPM. ISIP 2775 psi. Calc flush: 5127 gal. Actual flush: 4662 gal.

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71220# 20/40 sand in 719 bbls Lightning 17 frac fluid. Treated @ avg press of 2372 psi w/avg rate of 24.3 BPM. ISIP 2680 psi. Calc flush: 5053 gal. Actual flush: 5095 gal.

07/03/07 4963-4971' **Frac A1 sands as follows:**
40277# 20/40 sand in 492 bbls Lightning 17 frac fluid. Treated @ avg press of 2725 psi w/avg rate of 24.5 BPM. ISIP 2290 psi. Calc flush: 4961 gal. Actual flush: 4452 gal.

07/05/07 4656-4709' **Frac D3&C sands as follows:**
29723# 20/40 sand in 376 bbls Lightning 17 frac fluid. Treated @ avg press of 1630 psi w/avg rate of 24.5 BPM. ISIP 1700 psi. Calc flush: 4654 gal. Actual flush: 4200 gal.

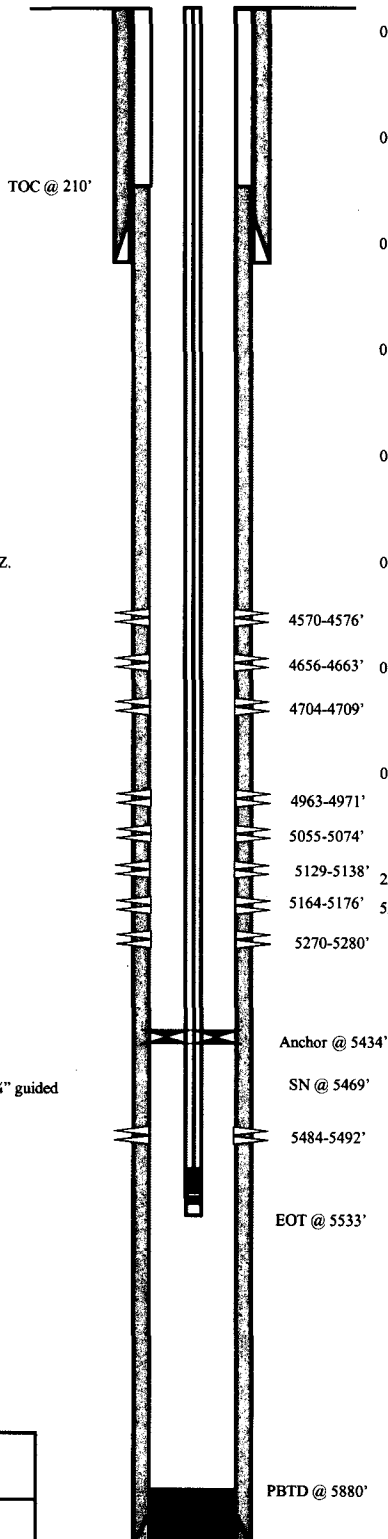
07/05/07 4570-4576' **Frac D1 sands as follows:**
42080# 20/40 sand in 356 bbls Lightning 17 frac fluid. Treated @ avg press of 1829 psi w/avg rate of 24.4 BPM. ISIP 1875 psi. Calc flush: 4568 gal. Actual flush: 4494 gal.

2/10/09 Pump Change. Updated r & t details.

5/26/2010 Tubing leak. Updated rod and tubing detail.

PERFORATION RECORD

06/28/07	5484-5492'	4 JSPF	32 holes
07/02/07	5270-5280'	4 JSPF	40 holes
07/02/07	5164-5176'	4 JSPF	48 holes
07/02/07	5129-5138'	4 JSPF	36 holes
07/03/07	5055-5074'	4 JSPF	76 holes
07/03/07	4963-4971'	4 JSPF	32 holes
07/03/07	4704-4709'	4 JSPF	20 holes
07/03/07	4656-4663'	4 JSPF	28 holes
07/05/07	4570-4576'	4 JSPF	24 holes

**NEWFIELD****FEDERAL 8-20-9-16**

2133'FNL & 746' FEL

SE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33107; Lease # UTU-52018

Federal 4-21-9-16

Spud Date: 10-25-06
Put on Production: 12-12-06
GL: 5991' KB: 6003'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (310.54')
DEPTH LANDED: 322.39' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts (5924.58')
DEPTH LANDED: 5937.83' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 452 sxs 50/50 POZ.
CEMENT TOP AT: 110'

TUBING

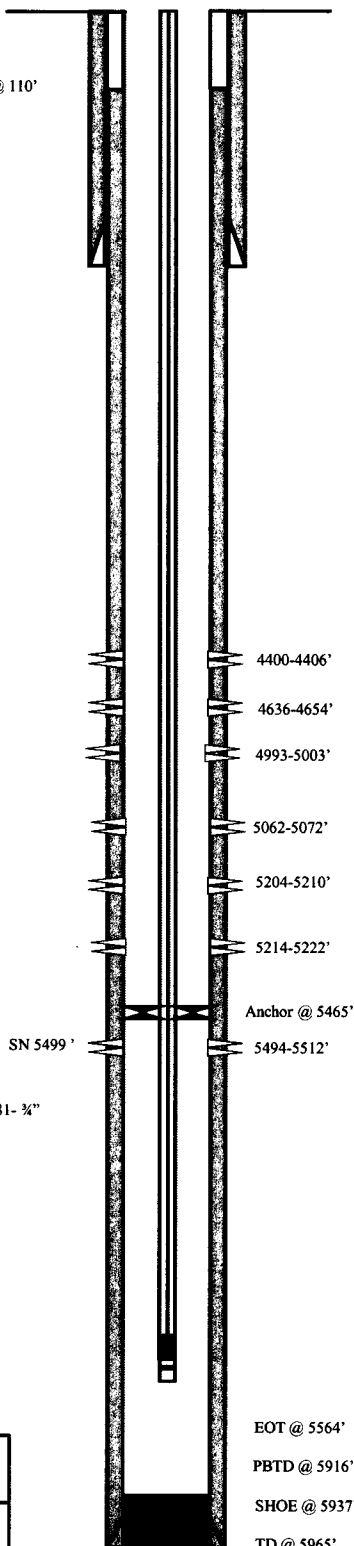
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5453.00')
TUBING ANCHOR: 5465.00' KB
NO. OF JOINTS: 1 jts (31.52')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5499.32' KB
NO. OF JOINTS: 2 jts (63.04')
TOTAL STRING LENGTH: EOT @ 5563.91' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-2', 4', 6', 8' x 3/4" pony rods, 99- 3/4" guided rods, 81- 3/4" plain rods, 32- 3/4" guided rods, 6- 1 1/2" weight rods.
PUMP SIZE: 2-1/2" x 1-1/2" x 10' x 14' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram

Cement top @ 110'



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

12-04-06 5494-5512' **Frac CP1 sands as follows:**
5213# 20/40 sand in 385 bbls Lightning 17 frac fluid. Treated @ avg press of 2157 psi w/avg rate of 25 BPM. ISIP 2550 psi. Calc flush: 5492 gal. Actual flush: 10458 gal.

12-04-06 5204-5222' **Frac LODC sands as follows:**
23667# 20/40 sand in 320 bbls Lightning 17 frac fluid. Treated @ avg press of 2620 psi w/avg rate of 25 BPM. ISIP 2850 psi. Calc flush: 5202 gal. Actual flush: 4704 gal.

12-05-06 4993-5072' **Frac A3, A1 sands as follows:**
117759# 20/40 sand in 829 bbls Lightning 17 frac fluid. Treated @ avg press of 2350 psi w/avg rate of 25 BPM. ISIP 2200 psi. Calc flush: 4991 gal. Actual flush: 4704 gal.

12-05-06 4636-4654' **Frac DS2 sands as follows:**
80794# 20/40 sand in 588 bbls Lightning 17 frac fluid. Treated @ avg press of 1519 w/ avg rate of 25 BPM. ISIP 2000 psi. Calc flush: 4634 gal. Actual flush: 4158 gal.

12-05-06 4400-4406' **Frac PB11 sands as follows:**
20165# 20/40 sand in 265 bbls Lightning 17 frac fluid. Treated @ avg press of 2077 w/ avg rate of 25 BPM. ISIP 1720 psi. Calc flush: 4398 gal. Actual flush: 4284 gal.

11/13/08 Parted rods. Updated rod & tubing details.

PERFORATION RECORD

11-29-06	5494-5512'	4 JSPF	72 holes
12-04-06	5214-5222'	4 JSPF	32 holes
12-04-06	5204-5210'	4 JSPF	24 holes
12-04-06	5062-5072'	4 JSPF	40 holes
12-04-06	4993-5003'	4 JSPF	40 holes
12-05-06	4636-4654'	4 JSPF	72 holes
12-05-06	4400-4406'	4 JSPF	24 holes

NEWFIELD**Federal 4-21-9-16**

851' FNL & 782' FWL

NW/NW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33069; Lease # UTU-64379

Spud Date: 10/21/06
 Put on Production: 12/02/06
 K.B.: 6048' G.L.: 6036'

Federal 5-21-9-16

Injection Wellbore
DiagramSURFACE CASING

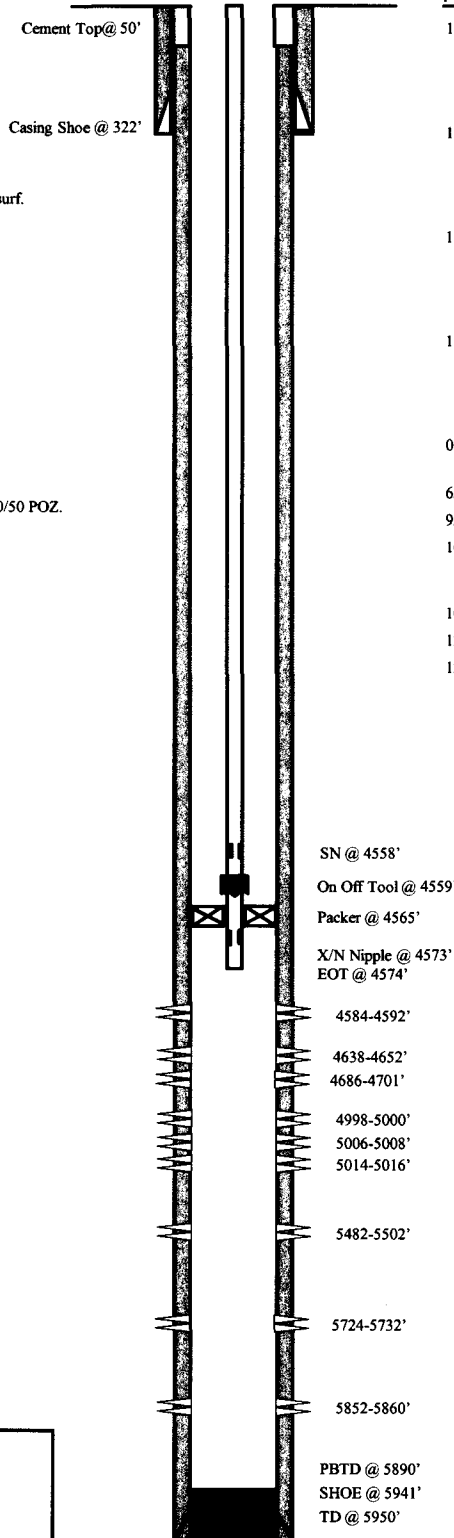
CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (310.62')
 DEPTH LANDED: 322.47' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 135 jts. (5927.96')
 DEPTH LANDED: 5941.21' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
 CEMENT TOP: 50'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 141 jts (4545.8')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4557.8' KB
 ON/OFF TOOL AT: 4558.9'
 ARROW #1 PACKER CE AT: 4564.8'
 XO 2-3/8 x 2-7/8 J-55 AT: 4567.7'
 TBG PUP 2-3/8 J-55 AT: 4568.2'
 X/N NIPPLE AT: 4572.3'
 TOTAL STRING LENGTH: EOT @ 4574'

FRAC JOB

11/22/06	5852-5860'	Frac CP5 sands as follows: 24030# 20/40 sand in 364 bbls Lightning 17 frac fluid. Treated @ avg press of 2590 psi w/avg rate of 24.8 BPM. ISIP 2850 psi. Calc flush: 5858 gal. Actual flush: 5334 gal.
11/22/06	5724-5732'	Frac CP4 sands as follows: 37476# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2400 psi w/avg rate of 24.9 BPM. ISIP 2500 psi. Calc flush: 5730 gal. Actual flush: 5216 gal.
11/22/06	5482-5502'	Frac CP1 sands as follows: 56615# 20/40 sand in 467 bbls Lightning 17 frac fluid. Treated @ avg press of 1940 psi w/avg rate of 24.9 BPM. ISIP 2200 psi. Calc flush: 5500 gal. Actual flush: 4977 gal.
11/24/06	4584-4652'	Frac D1, D2 sands as follows: 156867# 20/40 sand in 1002 bbls Lightning 17 frac fluid. Treated @ avg press of 1675 psi w/avg rate of 25.1 BPM. ISIP 1960 psi. Calc flush: 4650 gal. Actual flush: 4494 gal.
03/21/07		Pump Change: Updated rod and tubing detail.
6/1/2010		Pump change. Updated rod and tubing detail.
9/7/2010		Pump change. Updated rod and tubing detail.
10/22/10	4998-5016'	Frac A3 sands as follows: 61766# 20/40 sand in 501 bbls Lightning 17 frac fluid.
10/25/10		Re-Completion Finalized
12/13/12		Convert to Injection Well
12/14/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

11/09/06	5852-5860'	4 JSPF	32 holes
11/22/06	5724-5732'	4 JSPF	32 holes
11/22/06	5482-5502'	4 JSPF	80 holes
11/24/06	4686-4701'	4 JSPF	60 holes
11/24/06	4638-4652'	4 JSPF	56 holes
11/24/06	4584-4592'	4 JSPF	32 holes
10/22/10	5014-5016'	3 JSPF	6 holes
10/22/10	5006-5008'	3 JSPF	6 holes
10/22/10	4998-5000'	3 JSPF	6 holes

NEWFIELD

Federal 5-21-9-16
 2033' FNL & 551' FWL
 SW/NW Section 21-T9S-R16E
 Duchesne Co, Utah
 API # 43-013-33020; Lease # UTU-64379

Spud Date: 10/22/06
Put on Production: 12/07/06
GL: 6019' KB: 6031'

Federal 6-21-9-16

Injection Wellbore Diagram

SURFACE CASING

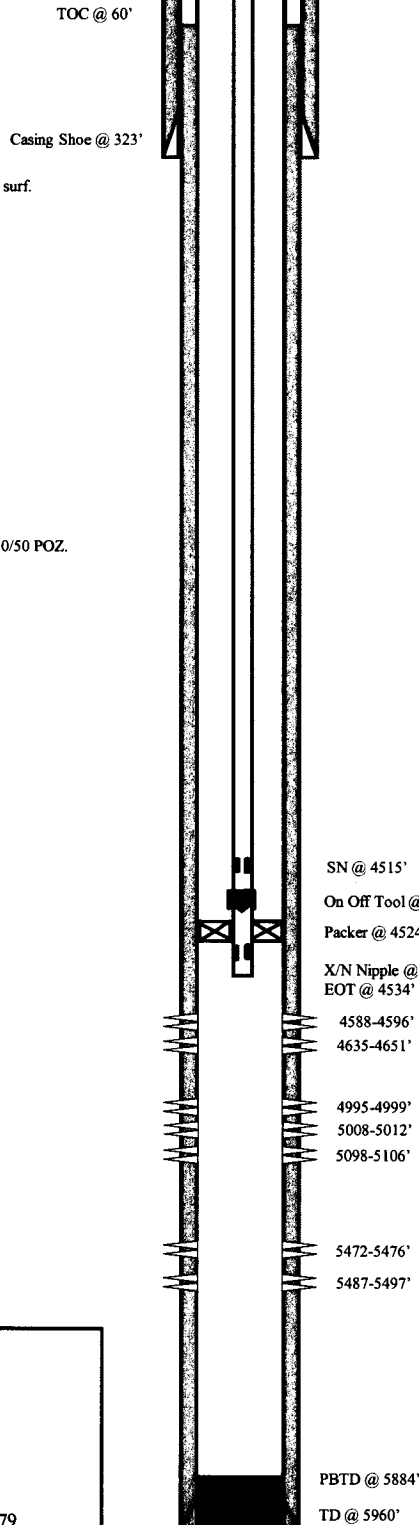
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (310.77')
DEPTH LANDED: 322.62' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 134 jts. (5916.95')
DEPTH LANDED: 5930.20' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 144 jts (4500.5')
STRETCH (1.2)
NO. OF JOINTS: 1 jts (1.1')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4514.9' KB
ON/OFF TOOL AT: 4517.8'
ARROW #1 PACKER CE AT: 4524'
XO 2-3/8 x 2-7/8 J-55 AT: 4527.7'
TBG PUP 2-3/8 J-55 AT: 4528.2'
X/N NIPPLE AT: 4532.3'
TOTAL STRING LENGTH: EOT @ 4533.9'



FRAC JOB

11/28/06 5497-5472' **Frac CP1 sands as follows:**
60318# 20/40 sand in 517 bbls Lightning 17 frac fluid. Treated @ avg press of 2202 psi w/avg rate of 25.0 BPM. ISIP 3010 psi. Calc flush: 5495 gal. Actual flush: 4964 gal.

11/28/06 5098-5106' **Frac LODC sands as follows:**
19850# 20/40 sand in 292 bbls Lightning 17 frac fluid. Treated @ avg press of 2154 psi w/avg rate of 14.3 BPM. ISIP 2720 psi. Calc flush: 5096 gal. Actual flush: 4590 gal.

11/28/06 4651-4588' **Frac D1 & D2 sands as follows:**
126303# 20/40 sand in 857 bbls Lightning 17 frac fluid. Treated @ avg press of 1655 psi w/avg rate of 24.8 BPM. ISIP 1880 psi. Calc flush: 4649 gal. Actual flush: 4494 gal.

03/15/07 **Pump Change.** Update rod and tubing details.

11/11/10 4995-5012' **Frac A3 sands as follows:** 32618# 20/40 sand in 283 bbls Lightning 17 fluid.

11/17/10 **Re-Completion finalized** – updated tbg and rod details

4/7/2011 **Pump Change.** Rod & tubing detail updated.

07/24/13 **Convert to Injection Well**

07/30/13 **Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

Date	Interval	Tool	Holes
11/28/06	5487-5497'	4 JSPF	40 holes
11/28/06	5472-5476'	4 JSPF	16 holes
11/28/06	5098-5106'	4 JSPF	32 holes
11/28/06	4635-4651'	4 JSPF	64 holes
11/28/06	4588-4596'	4 JSPF	32 holes
11/11/10	5008-5012'	3 JSPF	12 holes
11/11/10	4995-4999'	3 JSPF	12 holes

NEWFIELD

Federal 6-21-9-16

2159' FNL & 1887' FWL
SE/NW Section 21-T9S-R16E
Duchesne Co, Utah
API #43-013-33021; Lease #UTU-64379

Federal 12-21-9-16

Spud Date: 7-30-07
Put on Production: 8-28-07
GL: 6054' KB: 6066'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (302.22')
DEPTH LANDED: 313.23' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 149 jts (6047.38')
DEPTH LANDED: 6061.02' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 152'

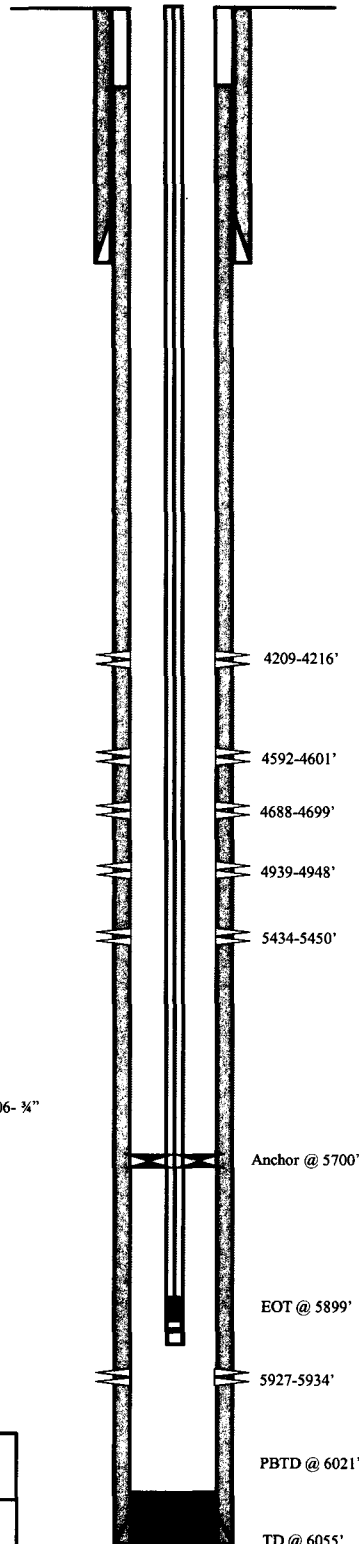
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 181 jts (5688')
TUBING ANCHOR: 5700' KB
NO. OF JOINTS: 2 jts (63.00')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5766' KB
NO. OF JOINTS: 1 jts (31.50')
GAS ANCHOR: 5799
NO. OF JOINTS: 3 jts (94.6)
TOTAL STRING LENGTH: EOT @ 5899' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 1-4", 1-8" X 3/4" Pony Rods, 99- 3/4" guided rods, 106- 3/4" plain rods, 19- 3/4" guided rods, 6-1 1/2" sinker bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

08-24-07	5927-5934'	Frac BSLS sands as follows: 29629# 20/40 sand in 415 bbls Lightning 17 frac fluid. Treated @ avg press of 2275 psi w/avg rate of 24.7 BPM. ISIP 2025 psi. Calc flush: 5925 gal. Actual flush: 5376 gal.
08-24-07	5434-5450'	Frac CP1 sands as follows: 70328# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 2158 psi w/avg rate of 24.7 BPM. ISIP 2435 psi. Calc flush: 5432 gal. Actual flush: 4872 gal.
08-24-07	4939-4948'	Frac A3 sands as follows: 39870# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2105 psi w/avg rate of 24.7 BPM. ISIP 2375 psi. Calc flush: 4937 gal. Actual flush: 4410 gal.
08-24-07	4688-4699'	Frac C sand as follows: 47661# 20/40 sand in 452 bbls Lightning 17 frac fluid. Treated @ avg press of 1903 w/ avg rate of 24.7 BPM. ISIP 2075 psi. Calc flush: 4686 gal. Actual flush: 4221 gal.
08-24-07	4592-4601'	Frac D2 sand as follows: 48185# 20/40 sand in 445 bbls Lightning 17 frac fluid. Treated @ avg press of 1687 w/ avg rate of 24.7 BPM. ISIP 1740 psi. Calc flush: 4590 gal. Actual flush: 4074 gal.
08-24-07	4209-4216'	Frac pb8 sand as follows: 37092# 20/40 sand in 322 bbls Lightning 17 frac fluid. Treated @ avg press of 2218 w/ avg rate of 24.7 BPM. ISIP 3225 psi. Calc flush: 4207 gal. Actual flush: 1718 gal.
12-12-07		Pump Change. Updated rod & tubing details.
10/26/09		Pump Change. Updated rod & tubing details.
10/14/11		Pump Change. Updated rod & tubing details.

PERFORATION RECORD

08-20-07	5927-5934'	4 JSPF	28 holes
08-24-07	5434-5450'	4 JSPF	64 holes
08-24-07	4939-4948'	4 JSPF	36 holes
08-24-07	4688-4699'	4 JSPF	44 holes
08-24-07	4592-4601'	4 JSPF	36 holes
08-24-07	4209-4216'	4 JSPF	28 holes

NEWFIELD

Federal 12-21-9-16

1952' FSL & 557' FWL

NW/SW Section 21-T9S-R16E

Duchesne Co, Utah

API # 43-013-33143; Lease # UTU-74392

TW 11/01/11

FEDERAL 16-20-9-16

Spud Date: 05/29/07
 Put on Production: 08/21/07
 GL: 6129' KB: 6141'

Wellbore Diagram

Initial Production: BOPD,
 MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 7 jts. (295.42')
 DEPTH LANDED: 306.32' KB
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 155 jts. (5977.37')
 DEPTH LANDED: 5978.62' KB
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
 NO. OF JOINTS: 172 jts (5410.01')
 TUBING ANCHOR: 5422.01' KB
 NO. OF JOINTS: 1 jts (31.47')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 5456.28' KB
 NO. OF JOINTS: 2 jts (63.01')
 TOTAL STRING LENGTH: EOT @ 5520.84' KB

SUCKER RODS

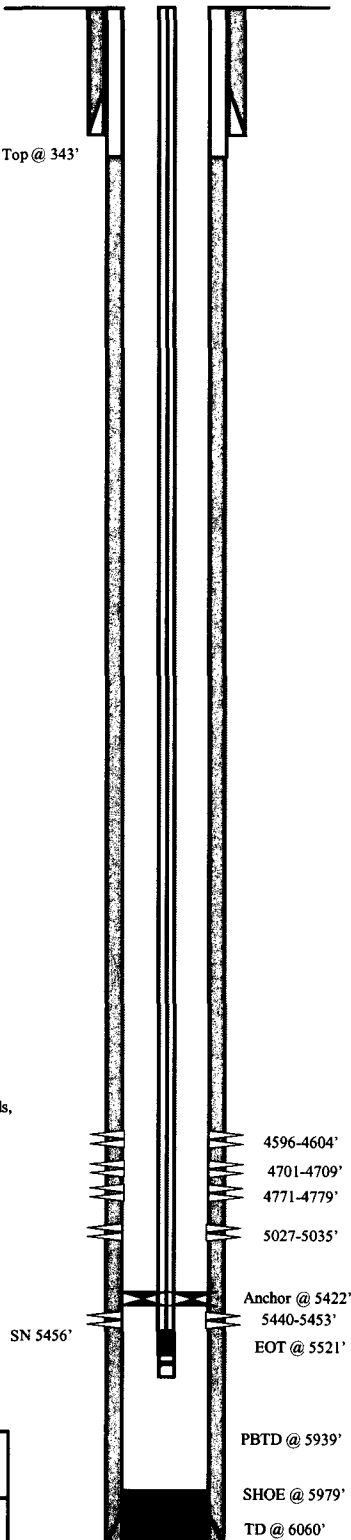
POLISHED ROD: 1-1/2" x 26' SM polished rods
 SUCKER RODS: 1-2' & 1-8' x 7/8" pony rods, 100-3/4" scraped rods,
 92-3/4" plain rods, 20-3/4" scraped rods
 6-1 1/2" weight rods.
 PUMP SIZE: CDI 2-1/2" x 1-1/2" x 18' RHAC
 STROKE LENGTH: 102"
 PUMP SPEED, 5 SPM:

FRAC JOB

08/13/07	5440-5453'	Frac CP1 sands as follows: 29557# 20/40 sand in 412 bbls Lightning 17 frac fluid. Treated @ avg press of 2090 psi w/avg rate of 24.5 BPM. ISIP 2215 psi. Calc flush: 5438 gal. Actual flush: 4956 gal.
08/16/07	5027-5035'	Frac LODC sands as follows: 19063# 20/40 sand in 311 bbls Lightning 17 frac fluid. Treated @ avg press of 2091 psi w/avg rate of 24.8 BPM. ISIP 2350 psi. Calc flush: 5025 gal. Actual flush: 4536 gal.
08/16/07	4771-4779'	Frac B1 sands as follows: 46260# 20/40 sand in 432 bbls Lightning 17 frac fluid. Treated @ avg press of 2079 psi w/avg rate of 24.8 BPM. ISIP 1940 psi. Calc flush: 4769 gal. Actual flush: 4326 gal.
08/16/07	4701-4709'	Frac C sands as follows: 108507# 20/40 sand in 795 bbls Lightning 17 frac fluid. Treated @ avg press of 2113 psi w/avg rate of 24.8 BPM. ISIP 1995 psi. Calc flush: 4698 gal. Actual flush: 4200 gal.
08/16/07	4596-4604'	Frac D2 sands as follows: 44879# 20/40 sand in 429 bbls Lightning 17 frac fluid. Treated @ avg press of 2001 psi w/avg rate of 24.8 BPM. ISIP 1840 psi. Calc flush: 4594 gal. Actual flush: 4536 gal.

PERFORATION RECORD

08/07/07	5440-5453'	4 JSPF	52 holes
08/16/07	5027-5035'	4 JSPF	32 holes
08/16/07	4771-4779'	4 JSPF	32 holes
08/16/07	4701-4709'	4 JSPF	32 holes
08/16/07	4596-4604'	4 JSPF	32 holes



NEWFIELD

FEDERAL 16-20-9-16

716' FSL & 920' FEL

SE/SE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33109; Lease # UTU-74391

Federal 9-20-9-16

Spud Date: 6-14-07

Put on Production: 8-23-07

GL: 6095' KB: 6107'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (302.22')

DEPTH LANDED: 313.12' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 8 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 156 jts (6053.98')

DEPTH LANDED: 6067.23' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 88'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 127 jts (3997.8')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4009.8' KB

ON/OFF TOOL AT: 4010.9'

ARROW #1 PACKER CE AT: 4016.8'

XO 2-3/8 x 2-7/8 J-55 AT: 4019.7'

TBG PUP 2-3/8 J-55 AT: 4020.2'

X/N NIPPLE AT: 4024.3'

TOTAL STRING LENGTH: EOT @ 4026'

FRAC JOB

08-17-07 5248-5254'

Frac LODC sands as follows:

14994# 20/40 sand in 282 bbls Lightning 17 frac fluid. Treated @ avg press of 2477 psi w/avg rate of 24.8 BPM. ISIP 2540 psi. Calc flush: 5246 gal. Actual flush: 4704 gal.

08-17 5000-5028'

Frac LODC sands as follows:

151355# 20/40 sand in 1050 bbls Lightning 17 frac fluid. Treated @ avg press of 1647 psi w/avg rate of 24.8 BPM. ISIP 2100 psi. Calc flush: 4998 gal. Actual flush: 4494 gal.

08-17-07 4764-4774'

Frac B.5 sands as follows:

19761# 20/40 sand in 294 bbls Lightning 17 frac fluid. Treated @ avg press of 2232 psi w/avg rate of 24.8 BPM. ISIP 4148 psi. Calc flush: 4762 gal. Actual flush: 3839 gal.

08-17-07 4602-4611'

Frac D2 sand as follows:

45991# 20/40 sand in 435 bbls Lightning 17 frac fluid. Treated @ avg press of 2094 w/avg rate of 24.8 BPM. ISIP 1850 psi. Calc flush: 4600 gal. Actual flush: 4515 gal.

2/1/2010

Pump change. Updated rod and tubing detail.

12/05/12 4059-4068'

Frac GB4 sand as follows:

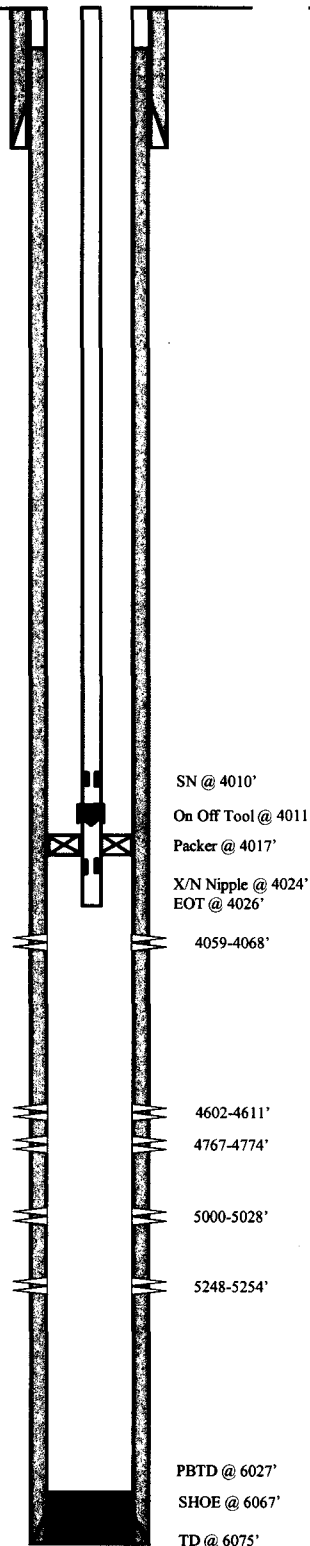
21580# 20/40 sand in 250 bbls Lightning 17 frac fluid.

12/06/12

Convert to Injection Well

12/11/12

Conversion MIT Finalized - update tbg detail



PERFORATION RECORD

08-13-07	5248-5254'	4 JSPF	24 holes
08-17-07	5000-5028'	4 JSPF	112 holes
08-17-07	4767-4774'	4 JSPF	28 holes
08-17-07	4602-4611'	4 JSPF	36 holes
12/04/12	4059-4068'	3 JSPF	27 holes

NEWFIELD



Federal 9-20-9-16

2011' FSL & 789' FEL
NE/SE Section 20-T9S-R16E
Duchesne Co, Utah

API # 43-013-33068; Lease # UTU-74391

Federal 10-20-9-16

Spud Date: 7-25-07
Put on Production: 8-31-07
GL: 6105' KB: 6117'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (303.36')
DEPTH LANDED: 315.21' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 155 jts. (5927.26')
DEPTH LANDED: 5943.51' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 226'

TUBING

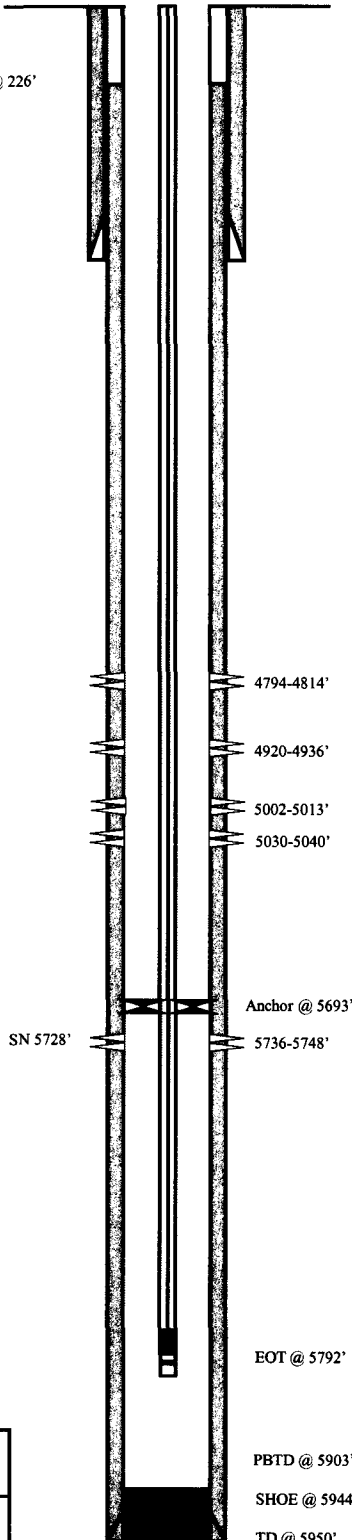
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 181 jts (5693')
TUBING ANCHOR: 5693' KB
NO. OF JOINTS: 1 jts (31.6')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5728.4' KB
NO. OF JOINTS: 2 jts (63.0')
TOTAL STRING LENGTH: EOT @ 5792.90' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 26' SM
SUCKER RODS: 2-16' 1-4' 1-2' x 3/4" pony sub, 222-3/4: guided rods (103new), 6-1 1/2:" weight bars
PUMP SIZE: 2-1/2" x 1-1/2" x 16' x 20 RHAC w/SM plunger
STROKE LENGTH: 120"
PUMP SPEED, SPM: 5 SPM

Wellbore Diagram

Cement top @ 226'



Initial Production: BOPD,
MCFD, BWPD

FRAC JOB

08-29-07 5736-5748' **Frac CP5 sands as follows:**
45032# 20/40 sand in 460 bbls Lightning 17 frac fluid. Treated @ avg press of 2371 psi w/avg rate of 24.7 BPM. ISIP 2395 psi. Calc flush: 5971 gal. Actual flush: 5145 gal.

08-29-07 5002-5040' **Frac LODC sands as follows:**
89993# 20/40 sand in 694 bbls Lightning 17 frac fluid. Treated @ avg press of 1981 psi w/avg rate of 24.7 BPM. ISIP 2506 psi. Calc flush: 5000 gal. Actual flush: 4507 gal.

08-29-07 4920-4936' **Frac A1 sands as follows:**
114939# 20/40 sand in 845 bbls Lightning 17 frac fluid. Treated @ avg press of 1896 psi w/avg rate of 24.7 BPM. ISIP 2218 psi. Calc flush: 4918 gal. Actual flush: 4410 gal.

08-29-07 4794-4814' **Frac B2 sand as follows:**
80966# 20/40 sand in 672 bbls Lightning 17 frac fluid. Treated @ avg press of 2005 w/ avg rate of 24.7 BPM. ISIP 2205 psi. Calc flush: 4792 gal. Actual flush: 4704 gal.

05/28/08 **Tbg leak.** Updated tubing and rod detail

6/10/2010 **Parted rods.** Update rod and tubing details

PERFORATION RECORD

08-24-07	5736-5748'	4 JSPF	48 holes
08-29-07	5030-5040'	4 JSPF	40 holes
08-29-07	5002-5013'	4 JSPF	44 holes
08-29-07	4920-4936'	4 JSPF	64 holes
08-29-07	4794-4814'	4 JSPF	80 holes

NEWFIELD**Federal 10-20-9-16**

2041' FSL & 1892' FEL

NW/SE Section 20-T9S-R16E

Duchesne Co, Utah

API # 43-013-33108; Lease # UTU-74391

Federal 11-20-9-16

Spud Date: 11/29/05
Put on Production: 11/17/06
K.B.: 6154, G.L.: 6142

Injection Wellbore Diagram

SURFACE CASING

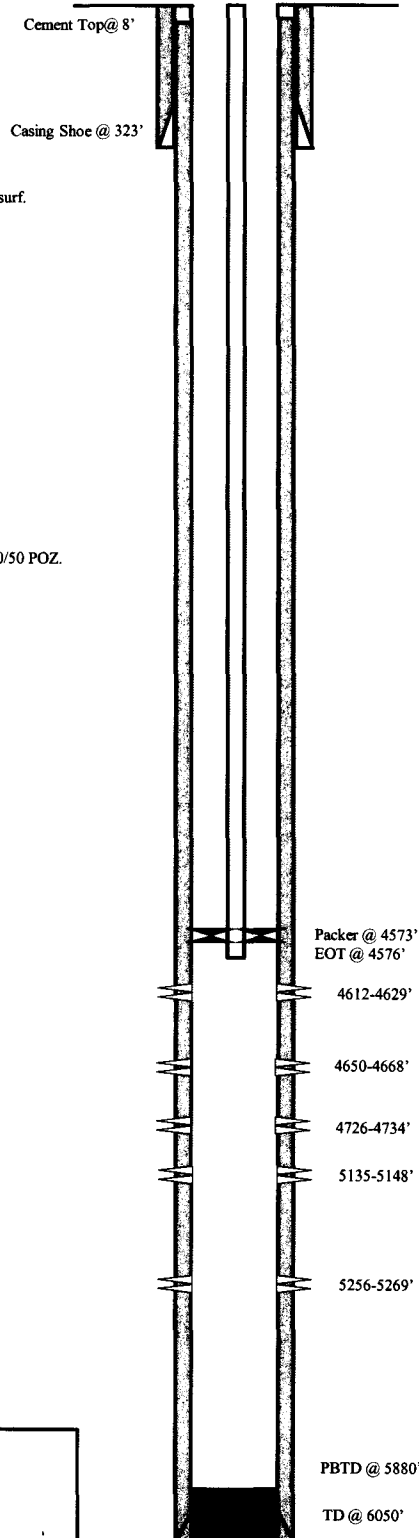
CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (262.90')
DEPTH LANDED: 323.15' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 300 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (6010.04')
DEPTH LANDED: 6023.29' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 325 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 145 jts (4556.4')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4568.4' KB
CE @ 4572.77'
TOTAL STRING LENGTH: EOT @ 4575.87' KB



FRAC JOB

11/13/06	5256-5269'	Frac LODC sands as follows: 78169# 20/40 sand in 622 bbls Lightning 17 frac fluid. Treated @ avg press of 2527 psi w/avg rate of 25.4 BPM. ISIP 2720 psi. Calc flush: 5267 gal. Actual flush: 4746 gal.
11/13/06	5135-5148'	Frac LODC sands as follows: 101332# 20/40 sand in 784 bbls Lightning 17 frac fluid. Treated @ avg press of 1660 psi w/avg rate of 24.2 BPM. ISIP 1800 psi. Calc flush: 5146 gal. Actual flush: 4620 gal.
11/13/06	4612-4629'	Frac C, D3 sands as follows: 184392# 20/40 sand in 1225 bbls Lightning 17 frac fluid. Treated @ avg press of 1436 psi w/avg rate of 24.3BPM. 1640 psi. Calc flush: 4627 gal. Actual flush: 4494 gal.
11/27/06		Pump Change. Update rod and tubing details.
		Major Workover
05/14/08	4612-4629'	Acidize D2 sands: Pump 16.6 bbls techni-hib 767, W/ 10.1 bbls acid., ISIP @ 950 psi.
05/14/08	4650-4668'	Acidize D3 sands: Pump 16 bbls techni-hib 767, W/ 10.7 bbls acid., ISIP @ 675 psi.
1/9/09		Tubing Leak. Updated rod & tubing details.
2/2/2010		Tubing leak. Updated rod and tubing details.
11/20/2010		Tubing leak. Updated rod and tubing detail.
3/20/2012		Tubing leak: Updated rod and tubing detail.
04/11/12		Convert to Injection Well
04/17/12		Conversion MIT Finalized – update tbg detail

PERFORATION RECORD

11/06/06	5256-5269'	4 JSPF	52 holes
11/13/06	5135-5148'	4 JSPF	52 holes
11/13/06	4726-4734'	4 JSPF	32 holes
11/13/06	4650-4668'	4 JSPF	72 holes
11/13/06	4612-4629'	4 JSPF	68 holes

NEWFIELD

Federal 11-20-9-16

2143' FSL & 2155' FWL

NE/SW Section 20-T9S-R15E

Duchesne Co, Utah

API #43-013-32598; Lease #UTU-74391

Federal 7-20-9-16

Spud Date: 6-6-07

Put on Production: 8-12-05

GL: 6078' KB: 6090'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts (306.9')

DEPTH LANDED: 318.75' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 3 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 1343 jts. (5918.6')

DEPTH LANDED: 5931.86' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP AT: 48'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

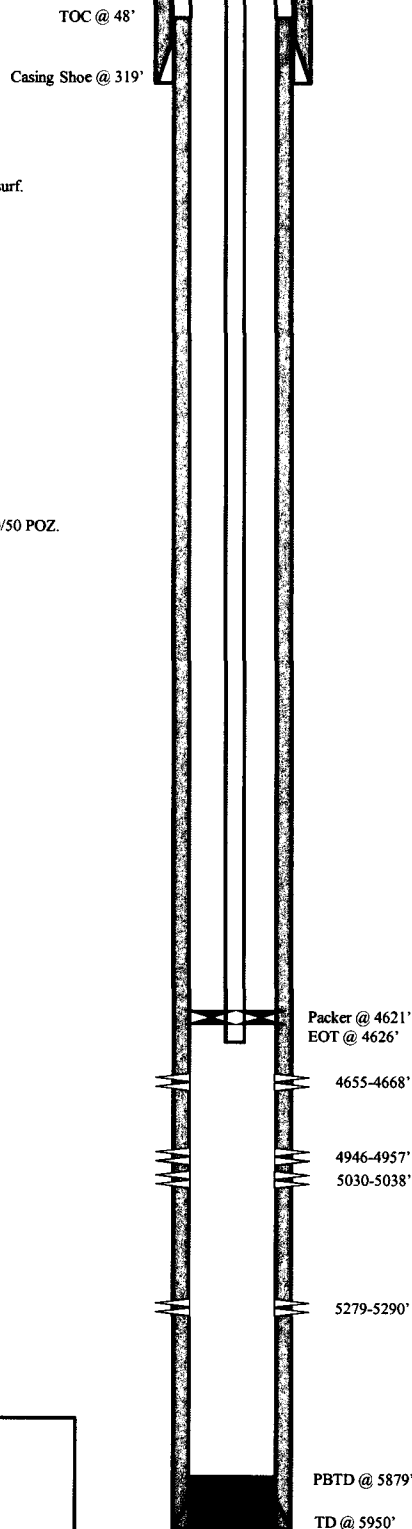
NO. OF JOINTS: 146 jts (4605')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4617' KB

ARROW #1 PKR CE @ 4621.42'

TOTAL STRING LENGTH: EOT @ 4626'

FRAC JOB

7-9-07 5279-5290''

Frac LODC, sands as follows:

29,554# 20/40 sand in 370 bbls Lightning 17 frac fluid. Treated @ avg press of 1987 psi w/avg rate of 24.7 BPM. ISIP 2284 psi. Calc flush: 5277 gal. Actual flush: 4746 gal.

7-9-07 5030-5038'

Frac LODC sands as follows:

24,274# 20/40 sand in 368 bbls Lightning 17 frac fluid. Treated @ avg press of 2044 psi w/avg rate of 24.7 BPM. ISIP 2143 psi. Calc flush: 5028 gal. Actual flush: 4557 gal.

7-9-07 4946-4957'

Frac A3 sands as follows:

40,017# 20/40 sand in 427 bbls Lightning 17 frac fluid. Treated @ avg press of 1862 psi w/avg rate of 24.7 BPM. ISIP 2238 psi. Calc flush: 4944 gal. Actual flush: 4389 gal.

7-9-07 4655-4668'

Frac D3 sands as follows:

48,763# 20/40 sand in 450 bbls Lightning 17 frac fluid. 24.8 BPM. Calc flush: 4653 gal. Actual flush: 4578 gal.

6/9/09

Stuck Pump. Updated rod & tubing details.

5/26/11

Pump Change. Updated rod and tubing detail.

01/30/12

Parted rods. Updated rod and tubing detail

3/12/12

Pump change: Updated rod & tubing detail

5/9/12

Convert to Injection Well

5/11/12

Conversion MIT Finalized - update tbg detailPERFORATION RECORD

7-3-07	5279-5290'	4 JSPF	44 holes
7-9-07	5030-5038'	4 JSPF	32 holes
7-9-07	4946-4957'	4 JSPF	44 holes
7-9-07	4655-4668'	4 JSPF	52 holes

NEWFIELD**Federal 7-20-9-16**

2098' FNL & 1961' FEL

SW/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33106; Lease #UTU-52018

FEDERAL 1-20-9-16

Spud Date: 05/16/07

Put on Production: 07/25/07

GL: 6038' KB: 6050'

Injection Wellbore
DiagramSURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (312.36')

DEPTH LANDED: 324.21' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, est 7 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 137 jts. (6015.83')

DEPTH LANDED: 6029.08' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.

CEMENT TOP: 60'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 133 jts (4089.7')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4102' KB

ON/OFF TOOL AT: 4102.8'

ARROW #1 PACKER CE AT: 4107.75'

XO 2-3/8 x 2-7/8 J-55 AT: 4111.6'

TBG PUP 2-3/8 J-55 AT: 4112.1'

X/N NIPPLE AT: 4116.5'

TOTAL STRING LENGTH: EOT @ 4118'

FRAC JOB

07/19/07 5526-5544'

Frac CP1 sands as follows:

40327# 20/40 sand in 416 bbls Lightning 17 frac fluid. Treated @ avg press of 2186 psi w/avg rate of 24.7 BPM. ISIP 2165 psi. Calc flush: 5524 gal. Actual flush: 5002 gal.

07/19/07 5124-5138'

Frac LODC sands as follows:

60273# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 2674 psi w/avg rate of 24.8 BPM. ISIP 2760 psi. Calc flush: 5122 gal. Actual flush: 4582 gal.

07/19/07 4780-4795'

Frac C sands as follows:

60060# 20/40 sand in 510 bbls Lightning 17 frac fluid. Treated @ avg press of 1833 psi w/avg rate of 24.8 BPM. ISIP 1800 psi. Calc flush: 4778 gal. Actual flush: 4288 gal.

07/19/07 4680-4694'

Frac D2 sands as follows:

79938# 20/40 sand in 623 bbls Lightning 17 frac fluid. Treated @ avg press of 1860 psi w/avg rate of 24.8 BPM. ISIP 1960 psi. Calc flush: 4678 gal. Actual flush: 4120 gal.

07/20/07 4160-4167'

Frac GB6 sands as follows:

25213# 20/40 sand in 335 bbls Lightning 17 frac fluid. Treated @ avg press of 2145 psi w/avg rate of 24.3 BPM. ISIP 2025 psi. Calc flush: 5503 gal. Actual flush: 4914 gal.

1/26/09

Pump Change. Updated r & t details.

10/08/12 4636-4639'

Frac D1 sands as follows:

12260# 20/40 sand in 178 bbls Lightning 17 frac fluid.

10/09/12

Convert to Injection Well

10/12/12

Conversion MIT Finalized - update tbg detailPERFORATION RECORD

07/10/07	5526-5544'	4 JSPF	72 holes
07/19/07	5124-5138'	4 JSPF	56 holes
07/19/07	4780-4795'	4 JSPF	60 holes
07/19/07	4680-4694'	4 JSPF	56 holes
07/19/07	4160-4167'	4 JSPF	28 holes
10/05/12	4636-4639'	3 JSPF	9 holes

Cement Top @ 60'

Casing Shoe @ 324'

SN @ 4102'

On Off Tool @ 4103'

Packer 4108'

X/N Nipple @ 4116'

EOT @ 4118'

4160-4167'

4636-4639'

4680-4694'

4780-4795'

5124-5138'

5526-5544'

PBTD @ 5958'

SHOE @ 6029'

TD @ 6050'

NEWFIELD**FEDERAL 1-20-9-16**

617'FNL & 652' FEL

NE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33066; Lease # UTU-52018

LCN 10/18/12

Monument Federal #22-20

Elev.GR - 6097' GL
Elev.KB - 6107' KB (10' KB)

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 253.07'
DEPTH LANDED: 263.07' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sks super "G", 2%
CaCl₂, 1/4#/sk Cello-flake.
Returned 10 bbls to pit.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5696.50'
DEPTH LANDED: 5706.50' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 181 sks super "G", 3% salt,
2% gel, 2#/sk Kol-seal, 1/4#/sk
Cello-flake, Tail w/ 400 sks
50/50 POZ, 2% gel, 1/4#/sk
Cello-flake, 2#/sk Kol-seal.

CEMENT TOP AT: 1110' KB

TUBING

SIZE/GRADE/WT.: 2-7/8" 8rd EUE / J-55 / 6.5#
NO. OF JOINTS: 144 Jts (4513.91')
TUBING ANCHOR: 2-7/8"x5-1/2"x2.75'
NO. OF JOINTS: 25 Jts (778.60')
SEATING NIPPLE: 2-7/8"x1.10'
PERFORATED SUB: 2-7/8"x4.20'
MUD ANCHOR: 2-7/8"x31.40'
STRING LENGTH: 5342.36'
SN LANDED AT: 5305.26' KB

SUCKER RODS

WELL LAST PULLED: Completion

POLISHED ROD: 1-1/4"x22' SM
SUCKER RODS: 210-3/4"x25' D-61 Plain
1-7/8"x2' Pony w/ 2-1/2" guide
1-1-1/2"x25' K-Bar
1-7/8"x2' Pony w/ 2-1/2" guide

TOTAL STRING LENGTH: 5301'

PUMP NUMBER: Trico #1187
PUMP SIZE: 2-1/2"x1-1/2"x16' RWAC
w/ SM Plunger
STROKE LENGTH: 72 inches
PUMP SPEED, SPM: 4.2 spm
PUMPING UNIT SIZE: Lufkin C16D-173-74
SN: E100070M458691
PRIME MOVER: Ajax E-30, 7-1/4"x8"
SN: 79866
TANK SIZES & NUMBERS: 2-400 bbl Natco 12"x20'
TANK #1 SN: 8D-16101-03
TANK #2 SN: 8D-16101-02

ACID JOB /BREAKDOWN

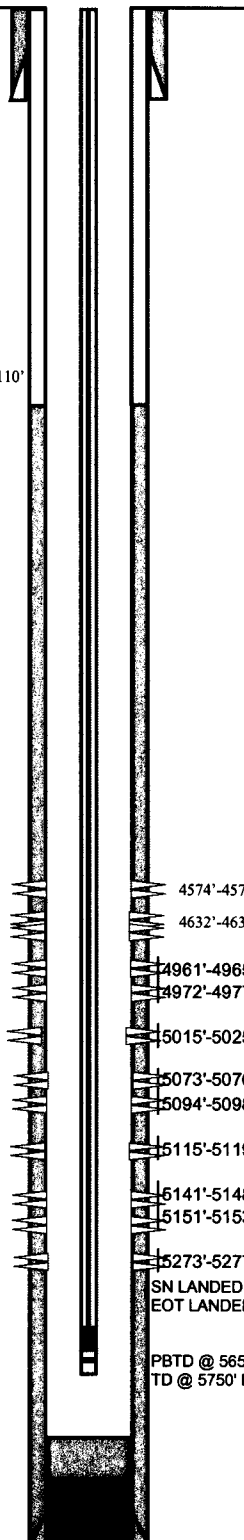
8/20/96	5273'-5277'	BJ Services: 2058 gal 2% KCL water w/ 32 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.5 bpm, ISIP= 1920 psi.
8/22/96	4961'-4965' 4972'-4977'	BJ Services: 1806 gal 2% KCL water w/ 28 ball sealers. Balled off. ATP= 2200 psi, ATR= 4.0 bpm, ISIP= 1500 psi.
8/22/96	5015'-5025'	BJ Services: 2100 gal 2% KCL water w/ 40 ball sealers. Balled off. ATP= 2600 psi, ATR= 3.6 bpm, ISIP= 1500 psi.
8/22/96	5073'-5076' 5094'-5098' 5115'-5119'	BJ Services: 2394 gal 2% KCL water w/ 44 ball sealers. Balled off. ATP= 2500 psi, ATR= 4.0 bpm, ISIP= 1300 psi.
8/22/96	5141'-5148' 5151'-5153'	BJ Services: 2436 gal 2% KCL w water w/ 36 ball sealers. Balled off. ATP= 3600 psi, ATR= 3.4 bpm, ISIP= 2100 psi.
8/29/96	4574'-4576'	BJ Services: 1554 gal 2% KCL water w/ 8 ball sealers. Balled off. ATP= 2700 psi, ATR= 4.2 bpm, ISIP= 1550 psi.
8/29/96	4632'-4638'	BJ Services: 1722 gal 2% KCL water w/ 20 ball sealers. Ball action but no ball off. ATP= 3000 psi, ATR= 3.8 bpm, ISIP= 1400 psi.

FRAC JOB

8/21/96	5273'-5277'	BJ Services: 11,214 gal 2% KCL water w/ 5700# 20/40 sand & 10,000# 16/30 sand. ATP= 3500 psi, ATR= 19.8 bpm, ISIP= 2430 psi, 5 min= 2150 psi, 10 min= 2090 psi, 15 min= 2020 psi, 30 min= 1910 psi.
8/23/96	4961'-5153'	BJ Services: 52,626 gal 2% KCL water w/ 52,200# 20/40 sand & 119,780# 16/30 sand. ATP= 2800 psi, ATR= 55.8 bpm, ISIP= 2110 psi, 5 min= 1756 psi, 10 min= 1630 psi, 15 min= 1560 psi, 30 min= 1450 psi.
8/30/96	4574'-4576' 4632'-4638'	BJ Services: 13,398 gal 2% KCL water w/ 36,400# 16/30 sand. ATP= 3500 psi, ATR= 29.8 bpm, ISIP= 1870 psi, 5 min= 1600 psi, 10 min= 1430 psi, 15 min= 1330 psi, 30 min= 1090 psi.

PERFORATION RECORD

8/20/96	Schlumberger	5273'-5277'	4 SPF
8/22/96	Schlumberger	4961'-4965' 4972'-4977' 5015'-5025' 5073'-5076' 5094'-5098' 5115'-5119' 5141'-5148' 5151'-5153'	2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF 2 SPF
8/29/96	Schlumberger	4574'-4576' 4632'-4638'	4 Holes 10 Holes



NEWFIELD

Monument Butte
Lease #U-52018
SE NW Section 20, T9S, R16E
1980' FNL, 1980' FWL
Duchesne County, Utah

API # 43-013-31681

NGC Fed. 31-20G-9-16

Spud Date: 1/04/85
 Put on Production: 4/08/85
 GL: 6051' KB: ~~6030~~ 6063

Initial Production: 88 BOPD,
 62 MCFPD, 21 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: K-55
 WEIGHT: 24#
 LENGTH: 7 jts. (319.75')
 DEPTH LANDED: 319'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 250 sxs Class "H"

PRODUCTION CASING

CSG SIZE: 5-1/2" / J-55 LT&C / 15.5#
 LENGTH: 74 jts.
 CSG SIZE: 5-1/2" / K-55 / 15.5#
 LENGTH: 74 jts.
 DEPTH LANDED: 6118'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 240 sxs Lite, tail w/ 570 sxs Class "H"
 CEMENT TOP AT: 2450' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / N-80 / 6.5#
 NO. OF JOINTS: 172 jts. (5457.93')
 TUBING ANCHOR: 5469.93' KB
 NO. OF JOINTS: 2 jts. (62.00')
 SN LANDED AT: 1.10' x 2 7/8" (5533.03') KB
 NO. OF JOINTS: 1 jt. (31.90')
 TOTAL STRING LENGTH: 5564.93' KB

SUCKER RODS

POLISHED ROD: 1-1/4" X 22'
 SUCKER RODS: 4 - 1-1/2" weight rods, 154 - 3/4" slick rods, 61 - 7/8" guided rods, 1-4', 1-6', 1-10' x 7/8" pony rods.
 PUMP SIZE: 2-1/2" x 1-1/2" x 16" RHAC
 STROKE LENGTH:
 PUMP SPEED:
 LOGS: DIL, LDT-CNL, EPT, LSS, GR, SP, ABCL, CBL

FRAC JOB

3/10/85 5530'-5556' **Frac zone as follows:**
 120,000# 20/40 sand + 30,000# 12/20 sand in 1263 bbl gel. Average treating pressure 2800 psi at 20 BPM. ISIP 2500 psi. Calc. flush: 5530 gal. Actual flush: 3654 gal. 3/10/85

3/17/85 4760'-4780' **Frac zone as follows:**
 45,000# 20/40 sand + 12,135# 12/20 sand in 1112 bbl gel. Average treating pressure 3100 psi at 20 BPM. ISIP 1800 psi. Calc. flush: 4760 gal. Actual flush: 1260 gal.

3/26/85 4692'-4702' **Frac zone as follows:**
 32,000# 20/40 sand + 14,000# 12/20 sand in 581 bbl gel. Average treating pressure 3200 psi at 25 BPM. ISIP 2000 psi. Calc. flush: 4692 gal. Actual flush: 3444 gal.

1/31/98 5082'-5105' **Frac zone as follows:**
 120,000# 20/40 sand in 489 bbl gel. Average treating pressure 6600 psi at 24.8 BPM. ISIP 4693 psi. Calc. flush: 1317 gal. Actual flush: 1737 gal.

Cement Top@ 2450'

4692'-4702'

4760'-4780'

5082'-5092'

5095'-5105'

Anchor @ 5469'

5530'-5556'

PERFORATION RECORD

3/02/85	5530'-5556'	4 SPF	104 holes
3/13/85	4764'-4780'	4 SPF	64 holes
3/15/85	4760'-4780'	4 SPF	80 holes
3/23/85	4692'-4702'	4 SPF	40 holes
1/30/98	5082'-5092'	4 SPF	40 holes
1/30/98	5095'-5105'	4 SPF	40 holes

SN @ 5533'KB
 EOT @ 5564'KB
 PBTD @ 5991'KB
 TD @ 6150'



NGC Fed. #31-20G-9-16
 540' FNL & 1944' FEL
 NWNE Section 20-T9S-R16E
 Duchesne Co, Utah
 API #43-013-31071; Lease #U-52018

Wellhead

GMB 3-16-9-16H

Wellbore Diagram



Surface Location: NE/NW, Sec 16, T9S R16E

County/State: Greater Monument Butte, Duchesne County, Utah

Elevation: 5847' GL + 12' KB

API: 43-013-50441

8-5/8" Casing Shoe
1,025

Casing Detail	Size	Wt.	Grade	Conn.	Top	Bottom	Burst	Collapse	ID	Drift	bbf/ft	Hole	TOC
Surface	8-5/8"	24#	J-55	LTC	0	1,025							Surface
Production	5-1/2"	17#	M-80	LTC	0	5,993	7,740	7,020	4.892	4.767	0.0233	7-7/8"	Port Collar: 5,654' md to Surface
Production	4-1/2"	11.6#	P-110	LTC	5,993 TVD	10,249 6,011	7,774	8,510	4.000	3.875	0.0155	6-1/8"	

burst & collapse values are book, no additional safety factors have been applied

Tubing Detail

TBG DETAIL:

sand drain valve, 3 jts 2 7/8" tbg., Cavins De-sander, 2 7/8" sub, 1 jt 2 7/8" tbg., SN, 1 jt 2 7/8" tbg., 5 1/2" TAC, 187 jts 2 7/8" tbg and tbg hanger.
TA @ 5,870' SN @ 5,903' EOT @ 6,052'

NOTE on Tubing Anchor: TA (shortened inner springs & beveled outer springs-4.625" OD)

Rod Detail

Pump and Rod Detail:

Weatherford MacGyver 1 3/4" x 28' rod pump, stabilizer sub, on/off tool, stabilizer sub, SE 4 Co-rod, 1- 8', 6', 4', 2' x 7/8" pony rods, 1 1/2" x 26' polished rod

NOTE on Pump: with CoRod, must have Clutch (on/off tool) installed.

WELLBORE FLUIDS

Lateral section fluid= +/-8.4 ppg "clean" brine

Proposed Frac Data	Top	Bottom	Packers Plus 12 Stage StackFrac HD Stimulation Liner								Prop type/ size	Prop Vol (lbs)	Total Clean Vol (bbbls)
Toe Section	10,249	10,249	Packers Plus 4-1/2" Toe Circulating Sub w/ 1,000" Seat for 1,250" SF2 High Pressure Ball (Actuated at 1,098 psi). And Open Hole TD										
Stage 1	10,097	10,249	Dual Hydraulic Frac Port	Depth 10,160	Ball OD (in.) NA	Seat ID (in.) NA	Vol. to Seat (bbl) 204.33	Actual Vol. (bbl) NA	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	0 0	1,903
OH Anchor/Packer	10,080	10,087	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Mechanical Packer 1	10,002	10,007	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)								100 mesh sand 30/50 mesh sand	34,144 30,760	2,342
Stage 2	9,882	10,002	FracPort 2:	Depth 9,841	Ball OD (in.) 2.125	Seat ID (in.) 2.000	Vol. to Seat (bbl) 199.39	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	36,389 18,835	2,775
Mechanical Packer 2	9,877	9,882	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 3	9,914	9,877	FracPort 3:	Depth 9,517	Ball OD (in.) 2.250	Seat ID (in.) 2.125	Vol. to Seat (bbl) 194.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	7,548 0	2,716
Mechanical Packer 3	9,354	9,359	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 4	9,035	9,354	FracPort 4:	Depth 8,193	Ball OD (in.) 2.375	Seat ID (in.) 2.250	Vol. to Seat (bbl) 189.38	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	28,177 35,211	4,118
Mechanical Packer 4	9,030	9,035	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 5	8,710	9,030	FracPort 5:	Depth 8,599	Ball OD (in.) 2.500	Seat ID (in.) 2.375	Vol. to Seat (bbl) 184.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	37,277 30,591	3,907
Mechanical Packer 5	8,705	8,710	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 6	8,386	8,705	FracPort 6:	Depth 8,544	Ball OD (in.) 2.625	Seat ID (in.) 2.500	Vol. to Seat (bbl) 179.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	32,229 21,843	2,784
Mechanical Packer 6	8,381	8,386	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 7	8,066	8,381	FracPort 7:	Depth 8,220	Ball OD (in.) 2.750	Seat ID (in.) 2.625	Vol. to Seat (bbl) 174.30	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	35,076 30,420	3,706
Mechanical Packer 7	8,061	8,066	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 8	7,743	8,061	FracPort 8:	Depth 7,901	Ball OD (in.) 2.875	Seat ID (in.) 2.750	Vol. to Seat (bbl) 169.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	30,308 14,314	2,777
Mechanical Packer 8	7,738	7,743	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 9	7,418	7,738	FracPort 9:	Depth 7,277	Ball OD (in.) 3.000	Seat ID (in.) 2.875	Vol. to Seat (bbl) 164.35	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	25,505 3,487	1,889
Mechanical Packer 9	7,413	7,418	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 10	6,768	7,413	FracPort 10:	Depth 7,252	Ball OD (in.) 3.125	Seat ID (in.) 3.000	Vol. to Seat (bbl) 159.32	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	37,884 36,940	2,804
Mechanical Packer 10	7,088	7,093	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 11	6,768	7,088	FracPort 11:	Depth 6,827	Ball OD (in.) 3.250	Seat ID (in.) 3.125	Vol. to Seat (bbl) 169.37	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand	31,284 21,188	2,755
Mechanical Packer 11	6,763	6,768	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
Stage 12	6,445	6,763	FracPort 11:	Depth 6,801	Ball OD (in.) 3.375	Seat ID (in.) 3.250	Vol. to Seat (bbl) 154.29	Actual Vol. (bbl) 0.00	Difference (bbl)	Ball Action (AP)	100 mesh sand 30/50 mesh sand		
Mechanical Packer 12	6,438	6,445	Packer Plus 7" x 4-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,268psi)										
OH Anchor/Packer	5,451	5,456	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)										
Rockseal II Packer	5,372	5,377	Packer Plus 8-5/8" x 5-1/2" RockSeal II 10K Hydraulic Set Open Hole Packer (Actuated at 2,046psi)										
Lat Length		3,804									Sand Total	335,921	Total Fluid 34,456 (bbl)
Total Stim. Lateral		3,804									580,300	244,388	
Avg. Stage Length		317' *between packers									# sand per foot of lateral	153	

5.6"x4.6X XO 5,993

12

11

10

9

8

7

6

5

4

3

2

MD TD 10,259
TVD TO 6,011

Schematic

Well Name: GMBU H-20-9-16

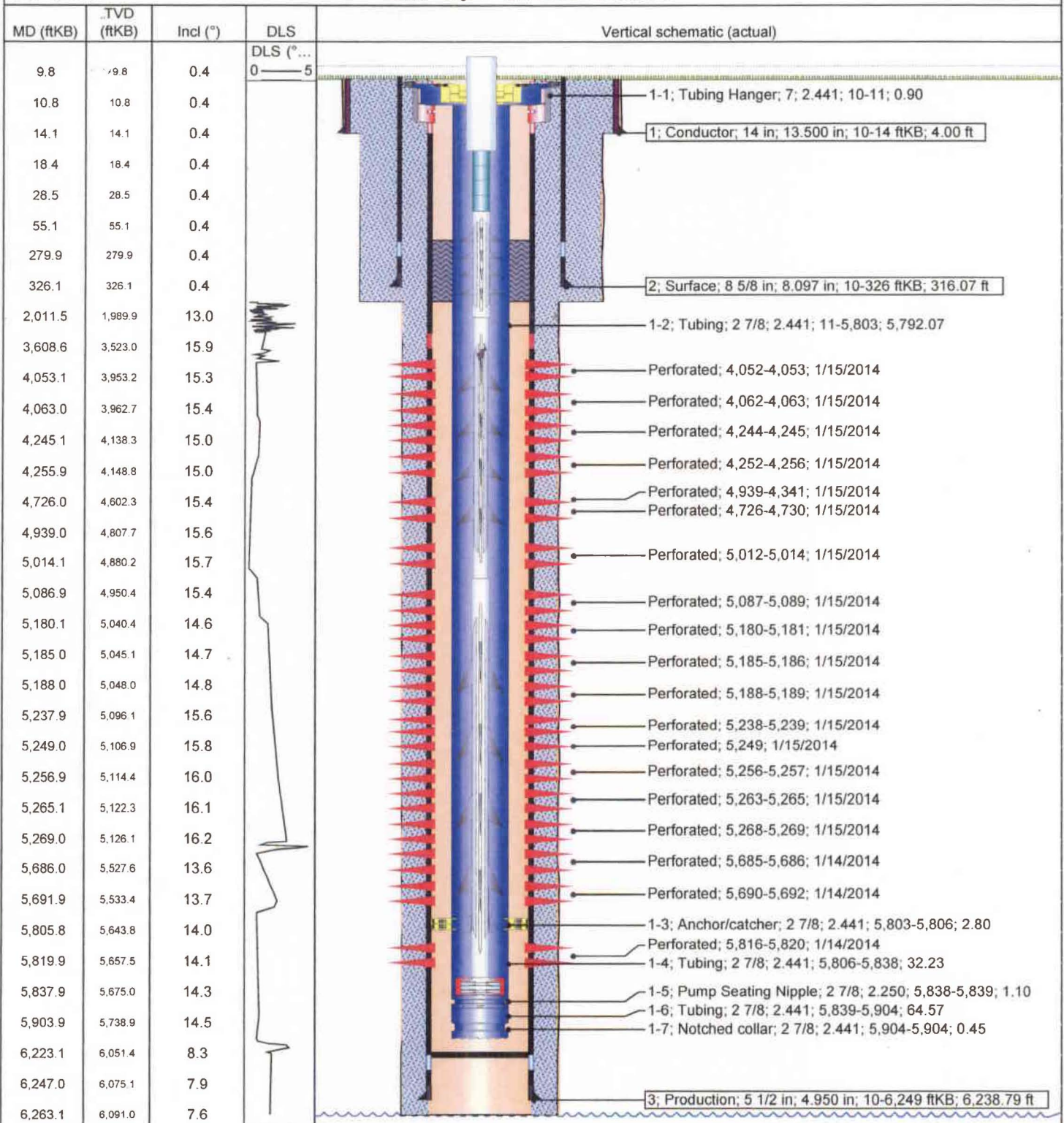
Surface Legal Location SWNE 2110 FNL 1934 FEL Sec 20 T9S R16E Mer SLB				API/UWI 43013515640000	Well RC 500335202	Lease UTU52018	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 12/7/2013	Rig Release Date 12/25/2013	On Production Date 1/25/2014	Original KB Elevation (ft) 6,093	Ground Elevation (ft) 6,083	Total Depth All (TVD) (ftKB) Original Hole - 6,090.9	PBTD (All) (ftKB) Original Hole - 6,223.1			

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/14/2014	Job End Date 1/22/2014
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TD: 6,263.0

Slant - Original Hole, 3/3/2014 6:49:29 AM



Schematic

Well Name: GMBU J-20-9-16

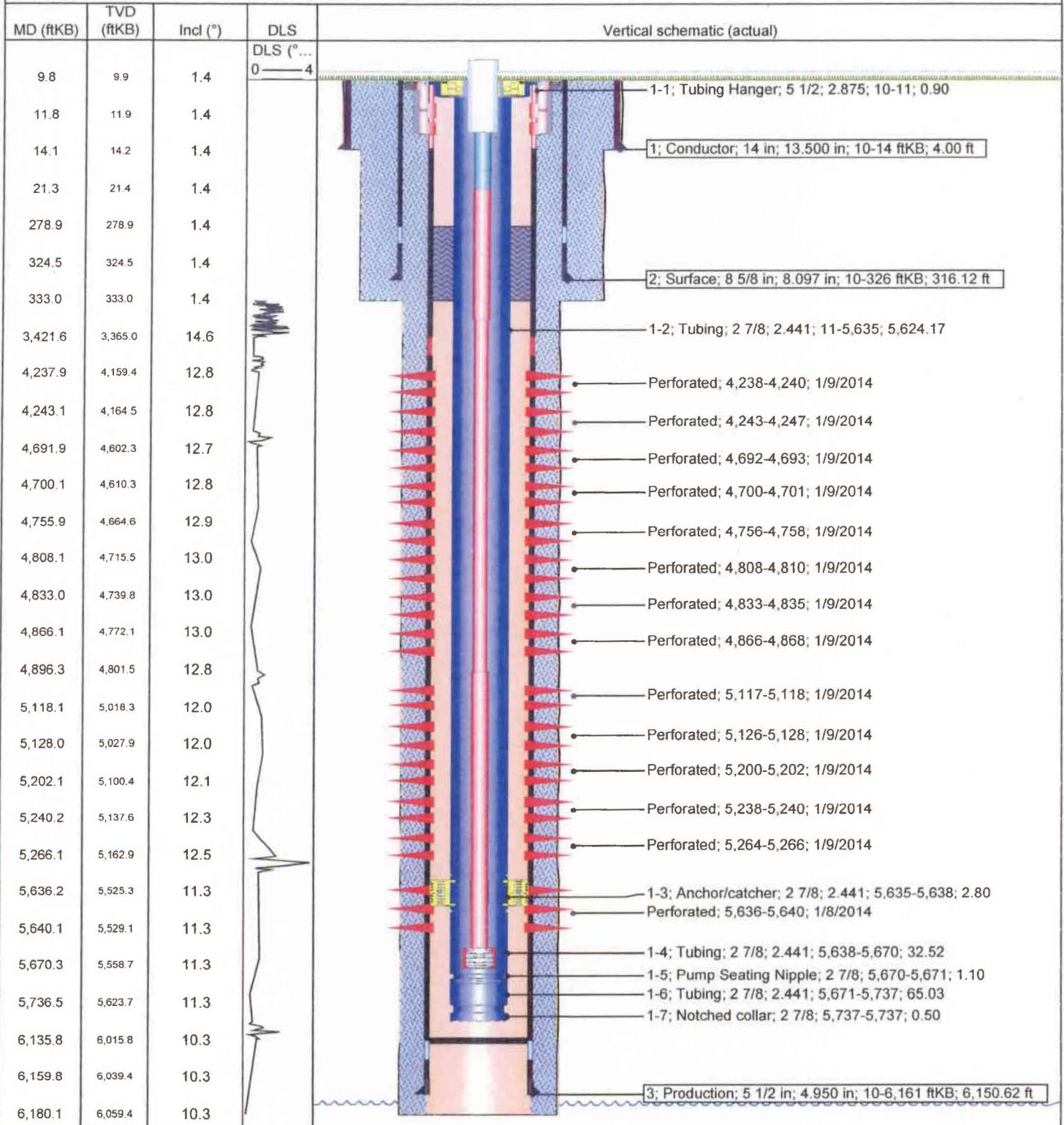
Surface Legal Location SWNW 2041 FNL 553 FWL Sec 21 T9S R16E Ser SLB			API/UWI 43013515680000	Well RC 500335147	Lease UTU64379	State/Province Utah	Field Name GMBU CTB5	County Duchesne
Spud Date 12/3/2013	Rig Release Date 12/18/2013	On Production Date	Original KB Elevation (ft) 6,050	Ground Elevation (ft) 6,040	Total Depth All (TVD) (ftKB) Original Hole - 6,059.3	PBD (All) (ftKB) Original Hole - 6,135.8		

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/8/2014	Job End Date 1/16/2014
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TD: 6,180.0

Slant - Original Hole, 3/3/2014 6:55:06 AM



Schematic

Well Name: GMBU G-21-9-16

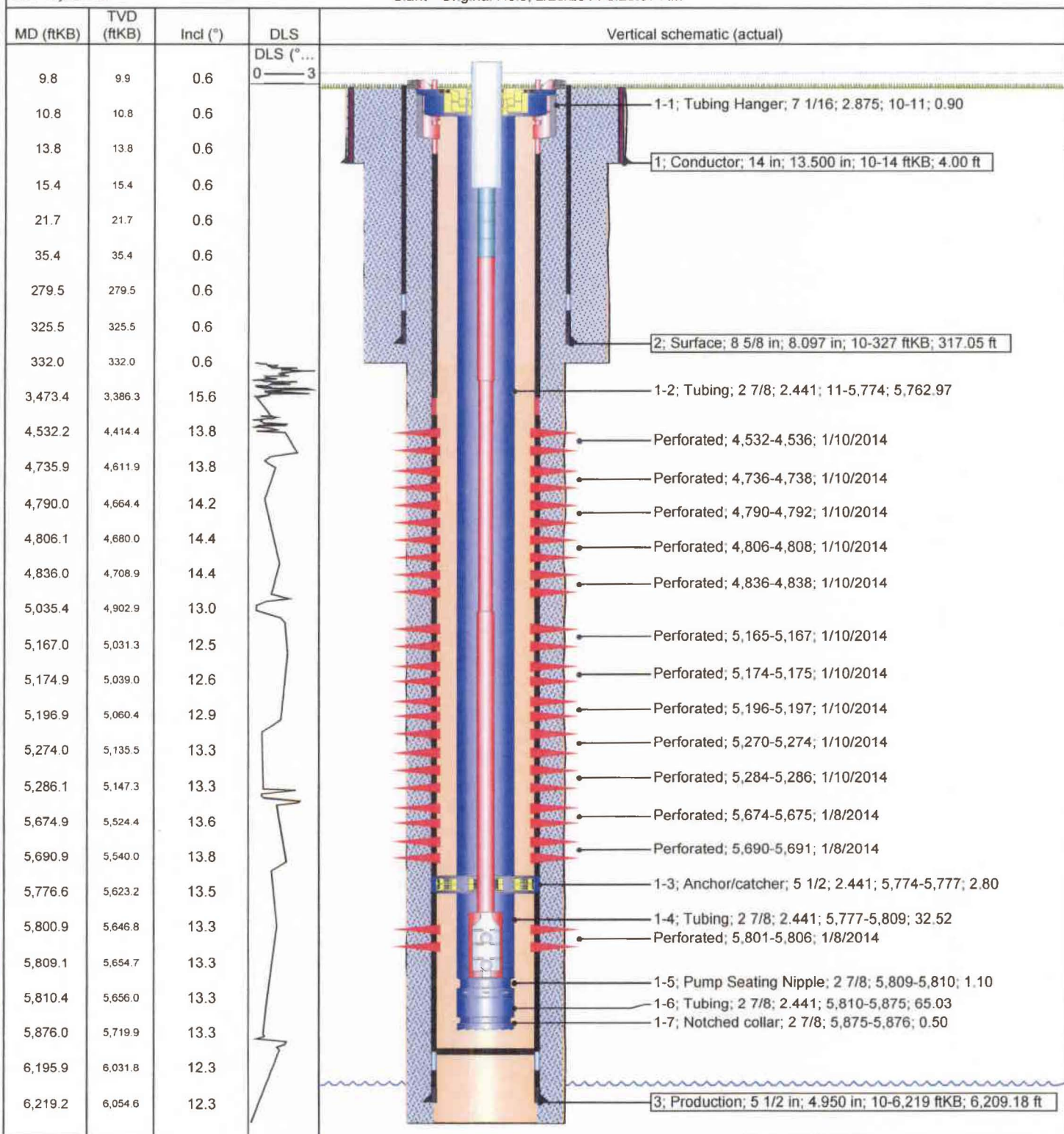
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
SWNW 2062 FNL 557 FWL Sec 21 T9S R16E Mer SLB		43013515690000	500335136	UTU64379	Utah	GMBU CTB5	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 6,194.2
12/3/2013	12/22/2013		6,050	6,040	Original Hole - 6,059.3		

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	1/8/2014	1/17/2014

TD: 6,224.0

Slant - Original Hole, 2/28/2014 6:28:57 AM



Schematic

Well Name: GMBU L-20-9-16

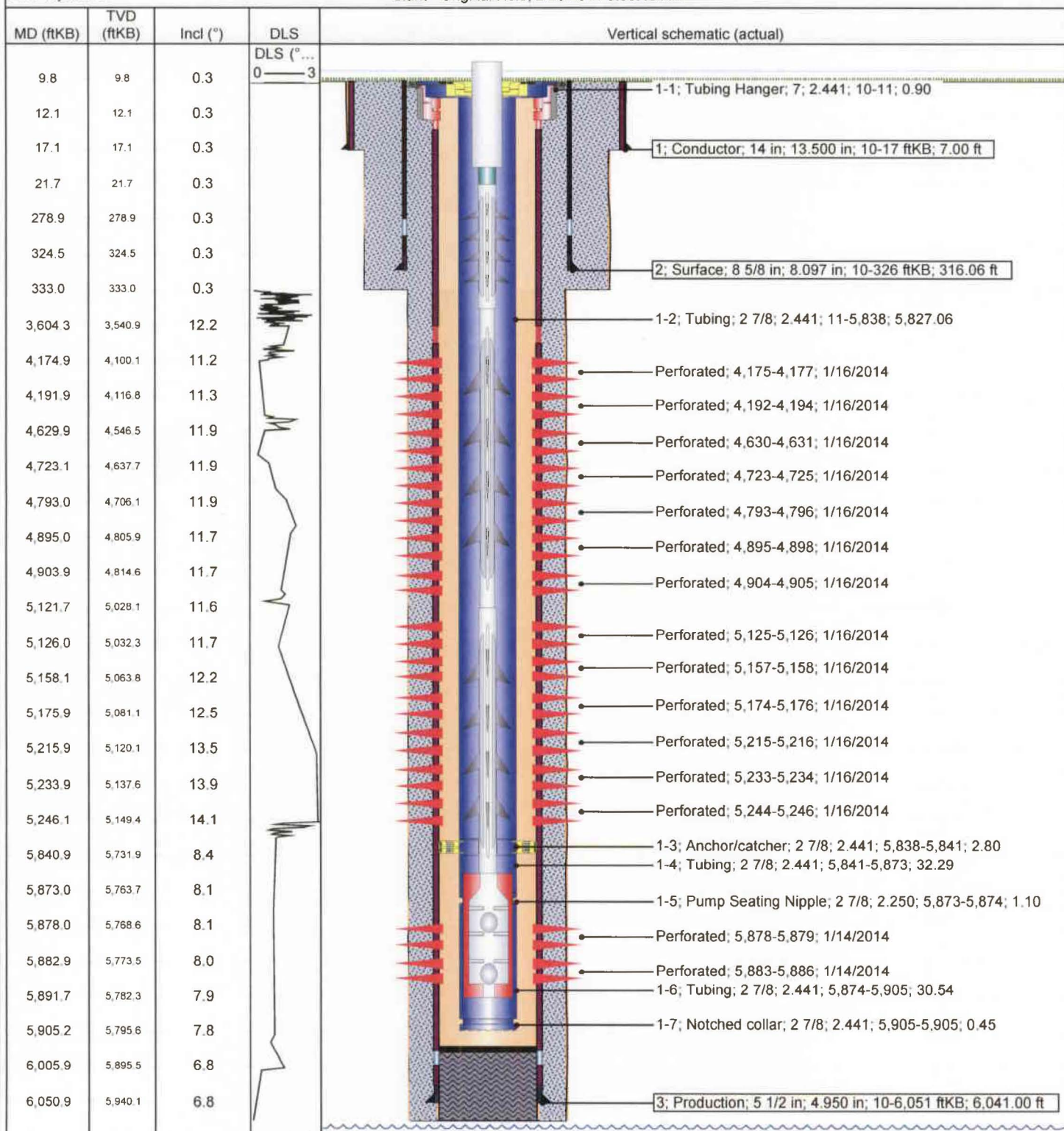
Surface Legal Location SWNE 2117 FNL 1914 FEL Sec 20 T9S R16E Mer SLB			API/UWI 43013515770000	Well RC 500335200	Lease UTU52018	State/Province Utah	Field Name GMBU CTB3	County Duchesne
Spud Date 12/8/2013	Rig Release Date 12/29/2013	On Production Date 1/25/2014	Original KB Elevation (ft) 6,093	Ground Elevation (ft) 6,083	Total Depth All (TVD) (ftKB) Original Hole - 5,954.2		P8TD (All) (ftKB) Original Hole - 6,004.0	

Most Recent Job

Job Category Initial Completion	Primary Job Type Fracture Treatment	Secondary Job Type P&P	Job Start Date 1/14/2014	Job End Date 1/25/2014
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TD: 6,065.0

Slant - Original Hole, 2/28/2014 9:53:40 AM



Schematic

Well Name: GMBU M-21-9-16

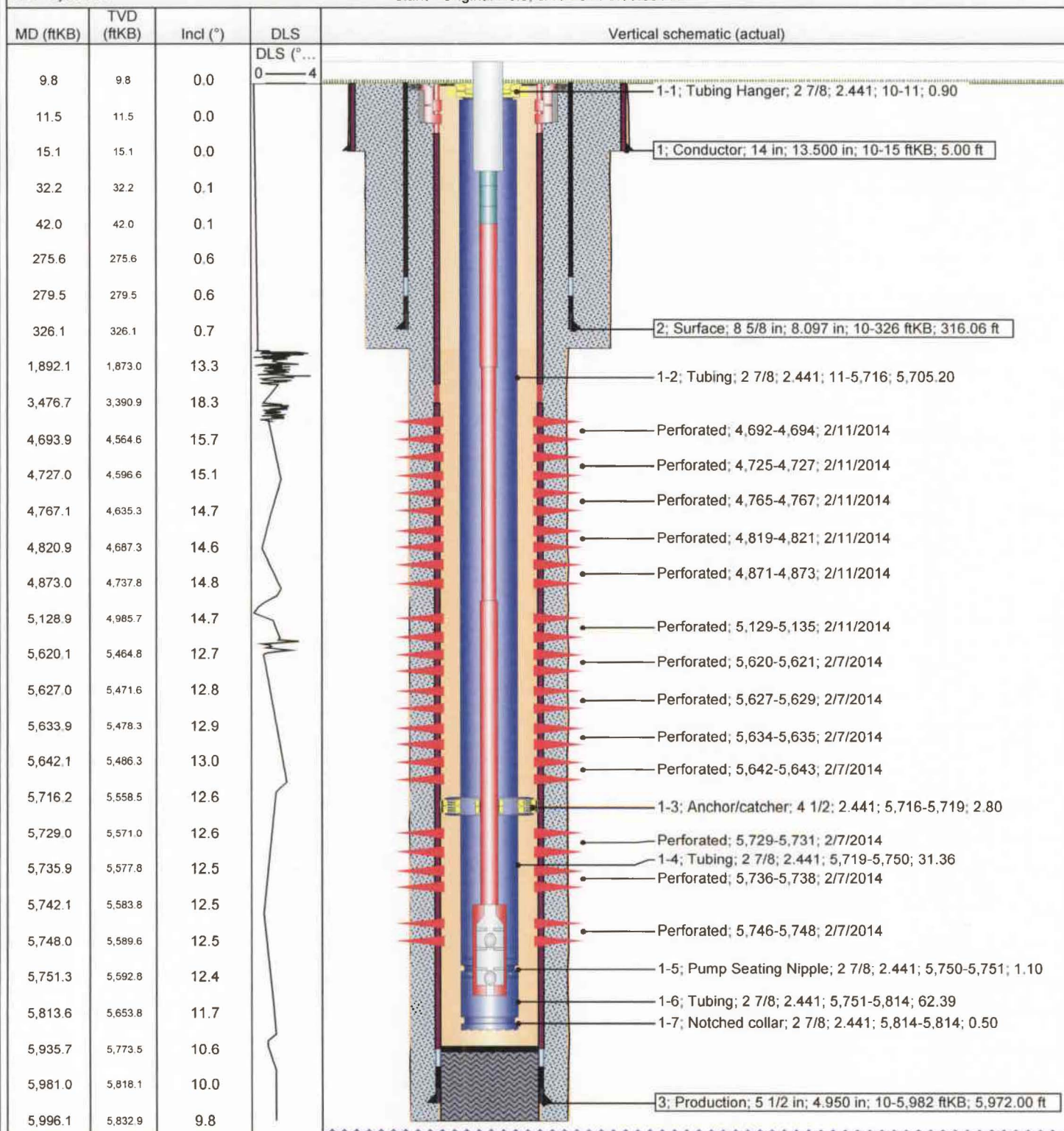
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
SENW 2107 FNL 1926 FWL Sec 21 T9S R16E Mer SLB		4301352340000	500346524	UTU64379	Utah	GMBU CTB6	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,935.6
1/9/2014	1/25/2014		6,032	6,022	Original Hole - 5,832.9		

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/7/2014	2/18/2014

TD: 5,996.0

Slant - Original Hole, 3/19/2014 8:59:35 AM



Schematic

Well Name: GMBU N-21-9-16

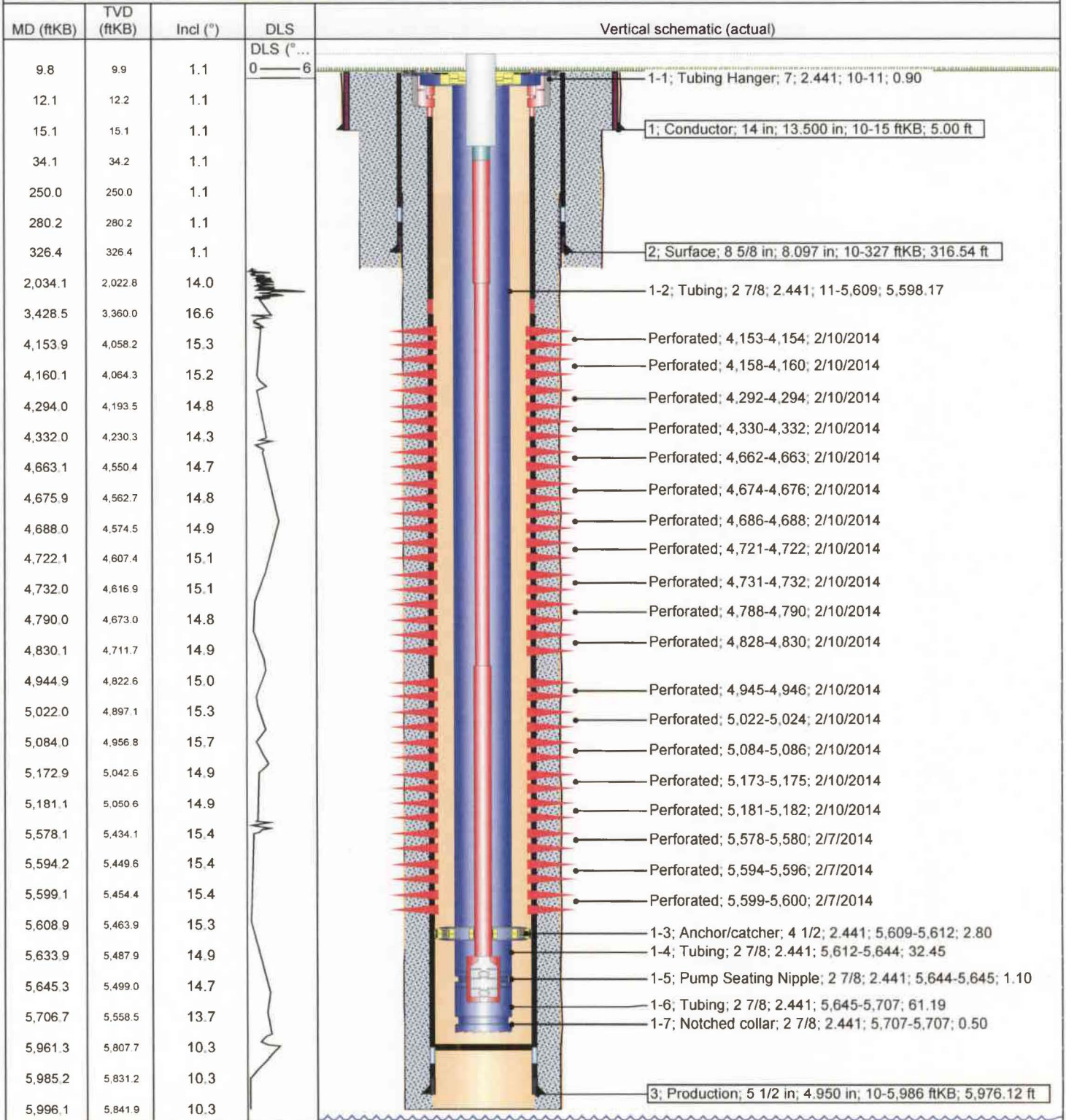
Surface Legal Location		API/UWI	Well RC	Lease	State/Province	Field Name	County
SE NW 2113 FNL 1906 FWL Sec 21 T9S R16E Mer SLB		43013523420000	500346462	UTU64379	Utah	GMBU CTB6	Duchesne
Spud Date	Rig Release Date	On Production Date	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB)	Original Hole - 5,961.2
1/10/2014	1/21/2014		6,032	6,022	Original Hole - 5,841.8		

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Job Start Date	Job End Date
Initial Completion	Fracture Treatment	P&P	2/7/2014	2/13/2014

TD: 5,996.0

Slant - Original Hole, 3/19/2014 8:58:32 AM



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

multi-chem

A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **SWDIF**Sample Point: **After Filter**Sample Date: **12/4/2012**Sample ID: **WA-229142**Sales Rep: **Michael McBride**Lab Tech: **Gary Peterson**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	12/5/2012	Cations		Anions	
		mg/L		mg/L	
System Temperature 1 (°F):	120.00	Sodium (Na):	734.93	Chloride (Cl):	1000.00
System Pressure 1 (psig):	60.0000	Potassium (K):	11.00	Sulfate (SO ₄):	120.00
System Temperature 2 (°F):	210.00	Magnesium (Mg):	26.00	Bicarbonate (HCO ₃):	366.00
System Pressure 2 (psig):	60.0000	Calcium (Ca):	46.20	Carbonate (CO ₃):	
Calculated Density (g/ml):	0.999	Strontium (Sr):		Acetic Acid (CH ₃ COO)	
pH:	6.80	Barium (Ba):	0.17	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	2304.49	Iron (Fe):	0.13	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.02	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	15.00	Lead (Pb):	0.00	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	2.50	Manganese (Mn):	0.04	Silica (SiO ₂):	

Notes:

9:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ 2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.28	10.64	0.00	0.00	0.20	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.28	0.01
200.00	60.00	0.19	7.48	0.00	0.00	0.13	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.31	0.01
190.00	60.00	0.11	4.25	0.00	0.00	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.35	0.01
180.00	60.00	0.02	0.97	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	0.01
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.44	0.01
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.50	0.01
150.00	60.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.56	0.01
140.00	60.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.64	0.01
130.00	60.00	0.00	0.00	0.10	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	0.01
120.00	60.00	0.00	0.00	0.15	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.80	0.01

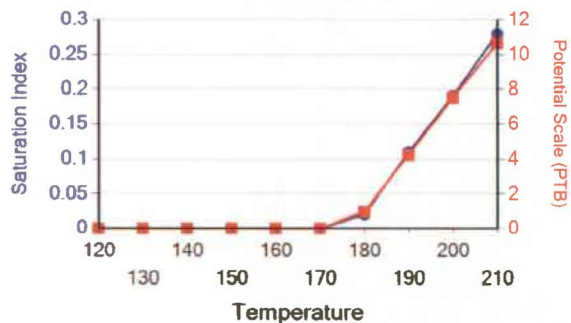
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ •0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

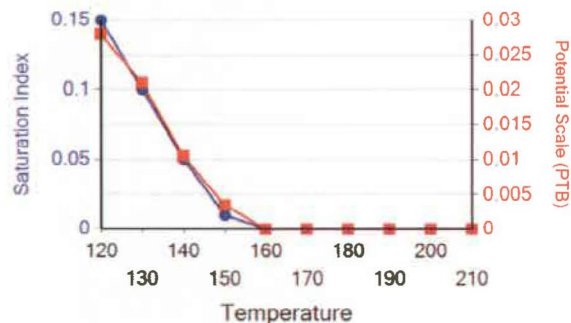
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These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Zinc Sulfide

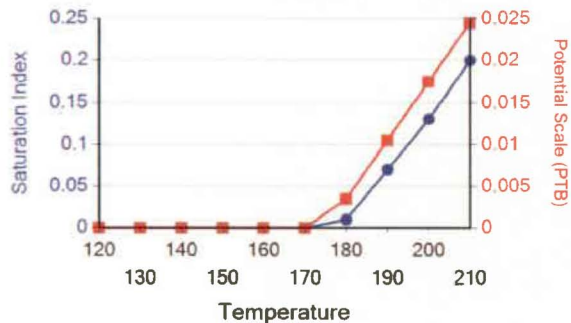
Calcium Carbonate



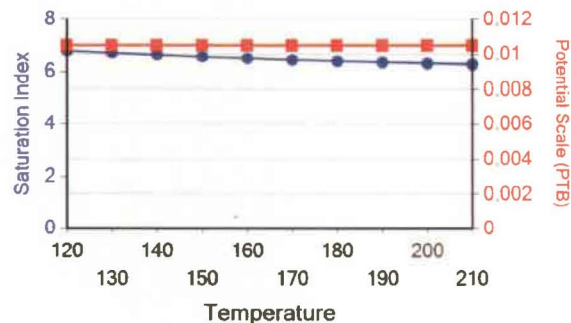
Barium Sulfate



Iron Sulfide



Zinc Sulfide



Multi-Chem Analytical Laboratory

1553 East Highway 40

Vernal, UT 84078

Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**Well Name: **FED 8-20-9-16**Sample Point: **Separator**Sample Date: **9/16/2013**Sample ID: **WA-253914**Sales Rep: **Michael McBride**Lab Tech: **Gary Winegar**Scaling potential predicted using ScaleSoftPitzer from
Brine Chemistry Consortium (Rice University)

Sample Specifics		Analysis @ Properties in Sample Specifics			
Test Date:	9/23/2013	Cations	mg/L	Anions	mg/L
System Temperature 1 (°F):	120	Sodium (Na):	8148.00	Chloride (Cl):	21000.00
System Pressure 1 (psig):	60	Potassium (K):	72.00	Sulfate (SO ₄):	767.00
System Temperature 2 (°F):	210	Magnesium (Mg):	29.00	Bicarbonate (HCO ₃):	3050.00
System Pressure 2 (psig):	60	Calcium (Ca):	29.00	Carbonate (CO ₃):	
Calculated Density (g/ml):	1.017	Strontium (Sr):	10.30	Acetic Acid (CH ₃ COO)	
pH:	9.00	Barium (Ba):	1.10	Propionic Acid (C ₂ H ₅ COO)	
Calculated TDS (mg/L):	33133.94	Iron (Fe):	1.00	Butanoic Acid (C ₃ H ₇ COO)	
CO ₂ in Gas (%):		Zinc (Zn):	0.06	Isobutyric Acid ((CH ₃) ₂ CHCOO)	
Dissolved CO ₂ (mg/L):	0.00	Lead (Pb):	0.70	Fluoride (F):	
H ₂ S in Gas (%):		Ammonia NH ₃ :		Bromine (Br):	
H ₂ S in Water (mg/L):	325.00	Manganese (Mn):	0.10	Silica (SiO ₂):	25.68

Notes:

B=6 Al=0 Li=4.1

(PTB = Pounds per Thousand Barrels)

Temp (°F)	PSI	Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO ₄ 2H ₂ O		Celestite SrSO ₄		Halite NaCl		Zinc Sulfide	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	2.21	25.21	0.51	0.45	4.70	0.55	2.65	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.15	0.03
200.00	60.00	2.17	25.19	0.53	0.46	4.70	0.55	2.61	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.24	0.03
190.00	60.00	2.13	25.18	0.55	0.47	4.71	0.55	2.58	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.35	0.03
180.00	60.00	2.09	25.16	0.58	0.48	4.72	0.55	2.54	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.46	0.03
170.00	60.00	2.05	25.13	0.61	0.49	4.73	0.55	2.50	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.57	0.03
160.00	60.00	2.02	25.11	0.64	0.51	4.75	0.55	2.46	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.70	0.03
150.00	60.00	1.98	25.09	0.69	0.52	4.78	0.55	2.42	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.83	0.03
140.00	60.00	1.95	25.07	0.73	0.53	4.81	0.55	2.38	0.73	0.00	0.00	0.00	0.00	0.00	0.00	10.96	0.03
130.00	60.00	1.92	25.05	0.78	0.55	4.85	0.55	2.33	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.03
120.00	60.00	1.90	25.03	0.84	0.56	4.89	0.55	2.28	0.72	0.00	0.00	0.00	0.00	0.00	0.00	11.27	0.03

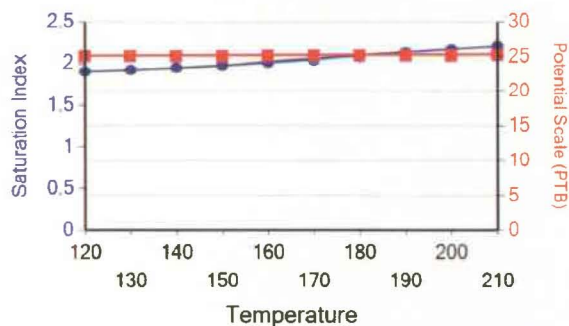
Water Analysis Report

Temp (°F)	PSI	Hemihydrate CaSO ₄ •0.5H ₂ O		Anhydrate CaSO ₄		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
		SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.36	0.04	12.28	0.28	10.28	31.13	5.42	16.19	12.09	0.78
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.29	0.04	12.44	0.28	9.94	31.13	5.23	16.19	11.88	0.78
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.04	12.62	0.28	9.59	31.13	5.03	16.18	11.67	0.78
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.04	12.80	0.28	9.23	31.13	4.84	16.17	11.46	0.78
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.04	13.00	0.28	8.87	31.13	4.64	16.15	11.24	0.78
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.04	13.20	0.28	8.50	31.13	4.44	16.13	11.03	0.78
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.04	13.42	0.28	8.14	31.12	4.25	16.10	10.82	0.78
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.80	0.04	13.65	0.28	7.77	31.12	4.05	16.07	10.60	0.78
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.03	13.89	0.28	7.39	31.11	3.85	16.02	10.39	0.78
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.03	14.15	0.28	7.02	31.10	3.65	15.97	10.19	0.78

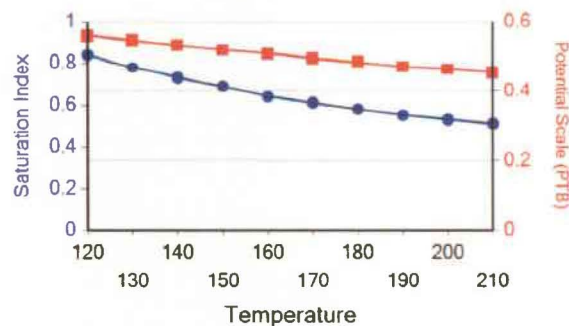
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

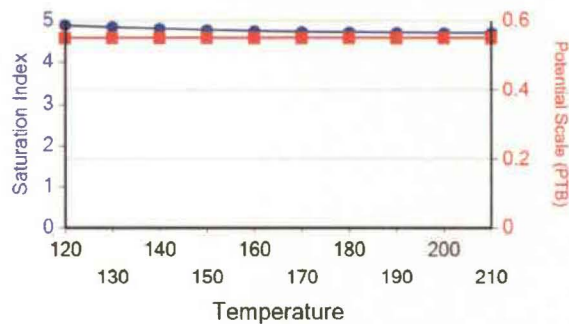
Calcium Carbonate



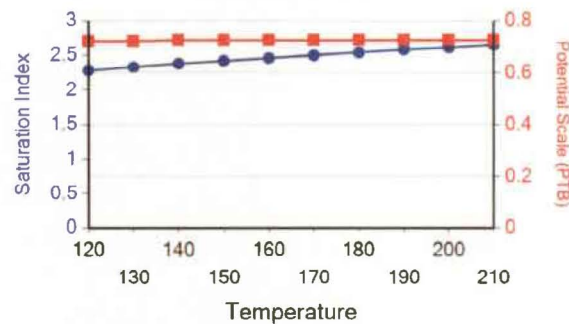
Barium Sulfate



Iron Sulfide



Iron Carbonate



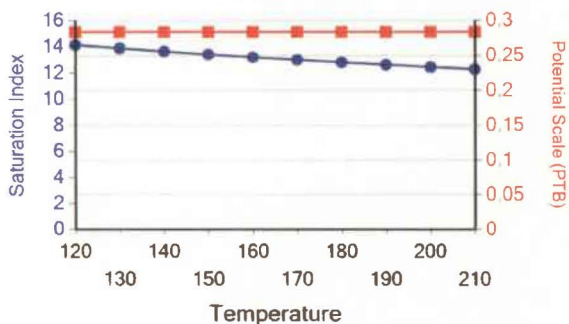
Multi-Chem Analytical Laboratory

1553 East Highway 40

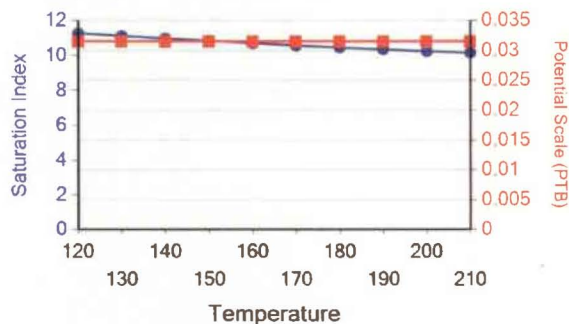
Vernal, UT 84078

Water Analysis Report

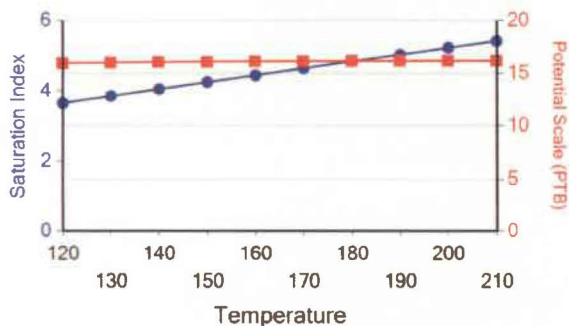
Lead Sulfide



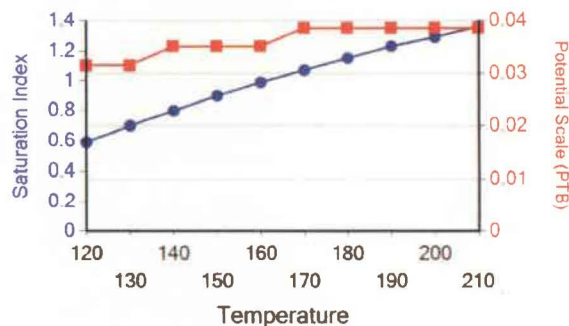
Zinc Sulfide



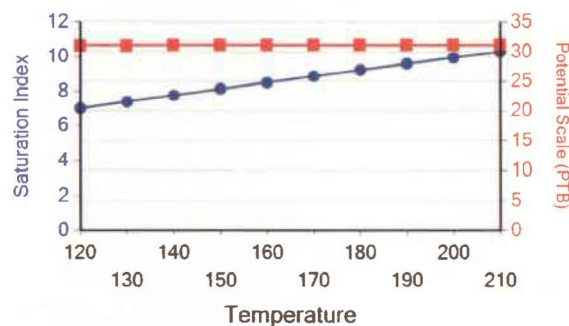
Ca Mg Silicate



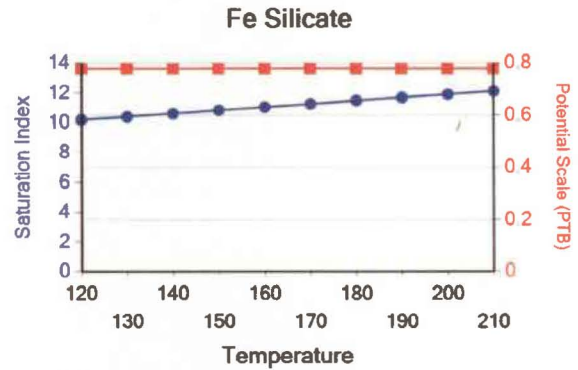
Zinc Carbonate



Mg Silicate



Water Analysis Report



Attachment "G"

Federal #8-20-9-16 Proposed Maximum Injection Pressure

Frac Interval (feet)		Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
Top	Bottom				
5484	5492	5488	2369	0.86	2333
5270	5280	5275	2486	0.90	2452
5129	5176	5153	2340	0.89	2307
5129	5176	5153	2775	0.97	2742
5055	5074	5065	2680	0.96	2647
4963	4971	4967	2290	0.89	2258
4656	4709	4683	1700	0.80	1670 ←
4570	4576	4573	1875	0.84	1845
				Minimum	<u>1670</u>

Calculation of Maximum Surface Injection Pressure

$$P_{max} = (\text{Frac Grad} - (0.433 \times 1.015)) \times \text{Depth of Top Perf}$$
 where pressure gradient for the fresh water is .433 psi/ft and
 specific gravity of the injected water is 1.015.

$$\text{Frac Gradient} = (\text{ISIP} + (0.433 \times \text{Top Perf.})) / \text{Top Perf.}$$

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

Daily Activity Report

Format For Sundry

FEDERAL 8-20-9-16**5/1/2007 To 9/30/2007****6/29/2007 Day: 1****Completion**

Rigless on 6/28/2007 - Install 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5861' & cement top @ 210'. Perforate stage #1. CP1 sds @ 5484-92' w/ 3 1/8" Slick guns (19 gram, .49" EH, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. 139 BWTR. SIFN.

7/2/2007 Day: 2**Completion**

Rigless on 7/1/2007 - RU BJ Services. 5 psi on well. Frac CP1 sds w/ 15,470#'s of 20/40 sand in 274 bbls of Lightning 17 fluid. Broke @ 3882 psi. Treated w/ ave pressure of 2490 psi @ ave rate of 24.6 BPM. Pumped 504 gals of 15% HCL in flush for Stage #2. ISIP 2369 psi. Leave pressure on well. 413 BWTR RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 10' perf gun. Set plug @ 5380'. Perforate LODC sds @ 5270- 80' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 40 shots. RU BJ Services. 280 psi on well. Frac LODC sds w/ 29,548#'s of 20/40 sand in 365 bbls of Lightning 17 fluid. Broke @ 1855 psi. Treated w/ ave pressure of 2397 psi @ ave rate of 24.4 BPM. Pumped 504 gals of 15% HCL in flush for Stage #3. ISIP 2486 psi. Leave pressure on well. 778 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 12' & 9' perf gun. Set plug @ 5230'. Perforate LODC sds @ 5164- 76', 5129-38' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 84 shots. RU BJ Services. 990 psi on well. Frac LODC sds w/ 4,712#'s of 20/40 sand in 389 bbls of Lightning 17 fluid. Broke @ 2942 psi. Blender broke down. Went to flush & over displaced treating fluid by 3 bbls. Will Refrac this zone in the morning. ISIP 2340 psi. Leave pressure on well. SIWFN w/ 1167 BWTR.

7/5/2007 Day: 3**Completion**

Rigless on 7/4/2007 - RU BJ Services. 730 psi on well. Frac LODC sds w/ 95,147#'s of 20/40 sand in 706 bbls of Lightning 17 fluid. Re-broke @ 2538 psi. Treated w/ ave pressure of 2554 psi @ ave rate of 24 BPM. Pumped 504 gals of 15% HCL in flush for Stage #4. ISIP 2775 psi. Leave pressure on well. 1873 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 17' perf gun. Set plug @ 5110'. Perforate LODC sds @ 5055- 74' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 76 shots. RU BJ Services. 700 psi on well. Frac LODC sds w/ 71,220#'s (Frac was designed for 130,000#'s) of 20/40 sand in 719 bbls of Lightning 17 fluid. Broke @ 2007 psi. Treated w/ ave pressure of 2372 psi @ ave rate of 24.3 BPM. Blender broke down in middle of frac. Was unable to get blender going. Bypassed blender & flushed sand away. ISIP 2680 psi. Leave pressure on well. 2592 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 8' perf gun. Set plug @ 5010'. Perforate A1 sds @ 4963- 71' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 32 shots. Wait for BJ Services to swap out blender. RU BJ Services. 860 psi on well. Pressured up to 4200 psi, Would not breakdown. RU WL & dump ball acid. RU BJ services. Frac A1 sds w/ 40,277#'s of 20/40 sand in 492 bbls of

Lightning 17 fluid. Broke @ 3979 psi. Had trouble getting crosslink (Pumped 92 bbls of fluid before getting crosslink). Treated w/ ave pressure of 2725 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 2290 psi. Leave pressure on well. 3084 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug, 5' & 7' perf gun. Set plug @ 4810'. Perforate C sds @ 4704- 4709', D3 sds @ 4656- 4663' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 48 shots. RU BJ services. 25 psi on well. Brokedown C & D3 sds @ 2597 psi. Pumped a total of 141 bbls of fluid trying to get fluid to crosslink, Would not crosslink. Retested wtr in frac tanks, Tested good. Tested chemicals from Chem-add unit. Crosslinked a sample for hydration unit, Fluid crosslinked good. It was determined that fluid would not crosslink at the blender (Swapped out blender after Stage #4, Had trouble getting crosslink fluid on stage #5). Shut down for the day. BJ Services is going to look blender & chem-add unit to determine if they can find a problem. Leave pressure on well. 3225 BWTR. Will try to finish frac's on Thursday morning.

7/6/2007 Day: 4

Completion

Rigless on 7/5/2007 - RU BJ Services. 116 psi on well. Frac C & D3 sds w/ 29,723#'s of 20/40 sand in 376 bbls of Lightning 17 fluid. Re-broke @ 1400 psi (Initial break was 2597 psi). Treated w/ ave pressure of 1630 psi @ ave rate of 24.5 BPM. Pumped 504 gals of 15% HCL in flush for Stage #6. ISIP 1667 psi. Leave pressure on well. 3601 BWTR. RU Perforators WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" 5K composite solid frac plug & 6' perf gun. Set plug @ 4610'. Perforate D1 sds @ 4570- 76' w/ 3-1/8" Slick Guns (19 gram, .49" HE, 120°, 21.92" pen, EXP-3319-331 Titan) w/ 4 spf for total of 24 shots. RU BJ Services. psi on well. Frac D1 sds w/ 42,080#'s of 20/40 sand in 356 bbls of Lightning 17 fluid. Broke @ 2816 psi. Treated w/ ave pressure of 1829 psi @ ave rate of 24.4 BPM. ISIP 1875 psi. Begin immediate flowback on 12/64 choke @ 1 BPM. Flowed for 2 1/2 hrs & died. Rec 141 BTF. MIRU NC #1. ND Cameron BOP & 5M WH. NU 3M WH & Shaffer BOP. Talley, PU & RIH w/ 4 3/4" bit, Bit sub & 2 7/8" J-55 tbg. Tagged fill @ 4555'. RU Nabors power. Drill out plug @ 4610'. Circulate well clean w/ EOT @ 4637'. SIWFN w/ 3816 BWTR.

7/7/2007 Day: 5

Completion

NC #1 on 7/6/2007 - 6:30AM OWU, RIH W/-Tbg To Fill @ 4709', R/U Nabors Pwr Swvl, C/Out To Plg @ 4810', Drill Up Plg, Swvl I/Hle To Fill @ 4963', C/Out To Plg @ 5010', Drill Up Plg, Swvl I/Hle To Fill @ 5024', C/Out To Plg @ 5110', Drill Up Plg, Swvl I/Hle To Fill @ 5159', C/Out To Plg @ 5230', Drill Up Plg, Swvl I/Hle To Fill @ 5340', C/Out To Plg @ 5380', Drill Up Plg, Swvl I/Hle To Fill @ 5783', C/Out To PBTD @ 5880', Curc Well Clean 1 Hr, POOH W/-4 Jts Tbg EOB @ 5755', R/U Swab RIH IFL @ Surf, Made 13 Swab Runs, Recvred 155 Bbls Wtr, Lite Trce Sand, Lite Trce Oil, FFL @ 1800', SWI, 6:00PM C/SDFN. Well Gained 42 Bbls Wtr On C/Out To PBTD, Total Wtr Recovery For Day = 197 Bbls.

7/10/2007 Day: 6

Completion

NC #1 on 7/9/2007 - 6:30AM OWU, RIH W/-4 Jts Tbg To Fill @ 5878', R/U R/pmp & C/Out To PBTD @ 5880', Curc Well Clean, POOH W/-189 Jts Tbg, Bit Sub & Bit. P/U & RIH W/-Tbg Production Detail Shown Below. N/D BOP, Set T/A In 15,000 Tension, N/U W/-HD. R/U R/pmp & Flsh Tbg W/-60 Bbls Wtr. P/U Stroke & RIH W/-CDI-2 1/2x1 1/2x12x15' RHAC & Rod Production String Shown Below. Seat pmp, Hole Standing Full, Stroke Unit & Tbg To 800 Psi, Good Test. R/D Rig. POP @ 4:00PM, 86" SL, 5 SPM, (Final Report).

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1. Set CIBP @ 4520'
2. Plug #1 Set 100' plug on top of CIBP using 12 sx Class "G" cement
3. Plug #2 175' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4. Plug #3 120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5. Plug #4 Pump 45 sx Class "G" cement down 5 ½" casing to 364'

The approximate cost to plug and abandon this well is \$42,000.

FEDERAL 8-20-9-16

Spud Date: 06/05/07
Put on Production: 07/09/07
GL: 6055' KB: 6067'

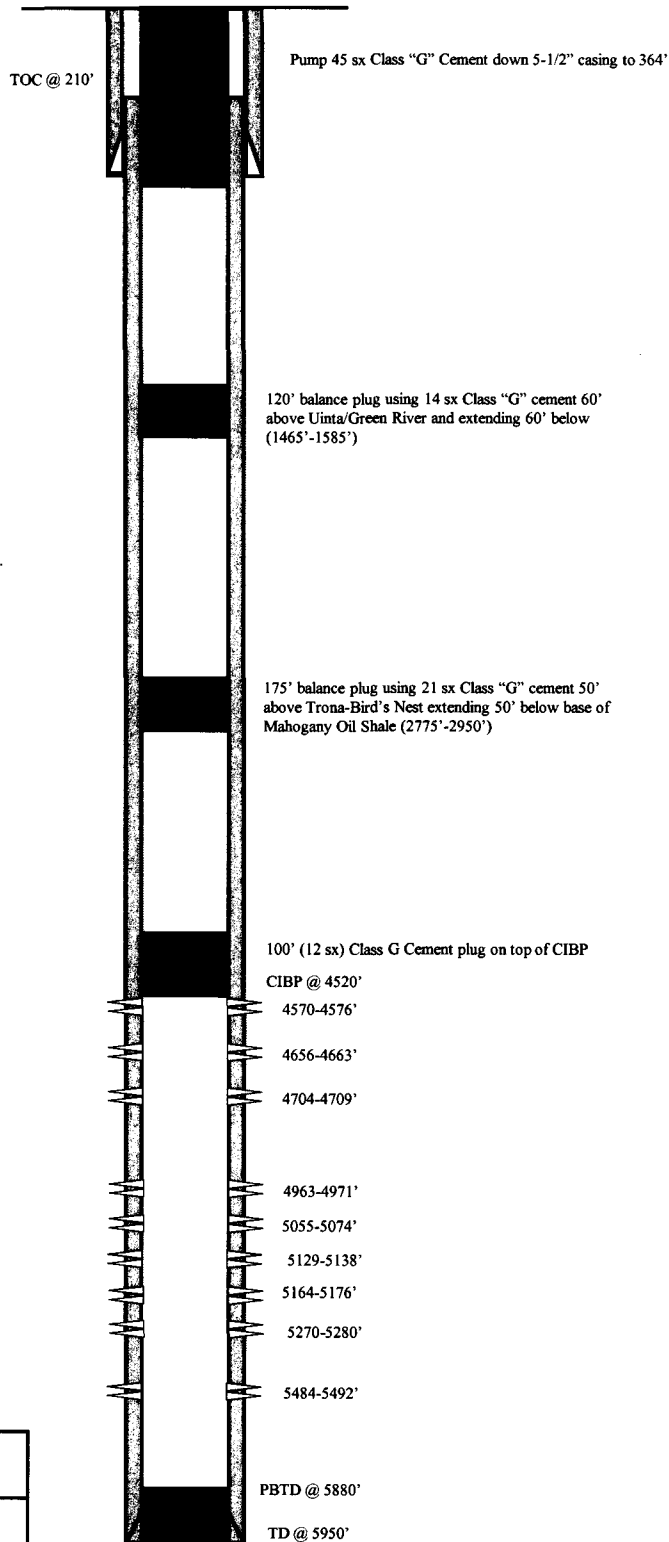
Proposed P & A Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (301.95')
DEPTH LANDED: 313.8' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, circ. 4 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 134 jts. (5920.75')
DEPTH LANDED: 5934.00' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs PremLite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP: 210' per CBL 6/28/07



NEWFIELD

FEDERAL 8-20-9-16

2133'FNL & 746' FEL

SE/NE Section 20-T9S-R16E

Duchesne Co, Utah

API #43-013-33107; Lease # UTU-52018

Sundry Number: 50538 API Well Number: 43013331070000

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-52018	
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)	
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: FEDERAL 8-20-9-16	
PHONE NUMBER: 435 646-4825 Ext		9. API NUMBER: 43013331070000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2133 FNL 0746 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 20 Township: 09 OS Range: 16.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE	
		COUNTY: DUCESNE	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/29/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APO EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text" value="New Perforations"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 04/25/2014. New interval perforated, D2 sands - 4622-4627' 3 JSPF. On 04/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/29/2014 the casing was pressured up to 1526 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was an State representative available to witness the test - Chris Jensen.			
NAME (PLEASE PRINT) Lucy Chavez-Naupoto		PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A		DATE 5/2/2014	

RECEIVED: May. 02, 2014

Mechanical Integrity Test Casing or Annulus Pressure Test

Newfield Production Company

Rt. 3 Box 3630

Myton, UT 84052

435-646-3721

Witness:

Chris Jensen

Date 4/29/14

Time 9:36

am pm

Test Conducted by:

Riley B. Bly

Others Present:

Well: FEDERAL 8-20-9-16

Field: Monument B-4c

Well Location: FEDERAL 8-20-9-16

API No: 143-013-33107

<u>Time</u>	<u>Casing Pressure</u>	
0 min	<u>1526</u>	psig
5	<u>1526</u>	psig
10	<u>1526</u>	psig
15	<u>1526</u>	psig
20	<u>1526</u>	psig
25	<u>1526</u>	psig
30 min		psig
35		psig
40		psig
45		psig
50		psig
55		psig
60 min		psig

Tubing pressure: 500 psig

Result:

Pass

Fail

Signature of Witness:

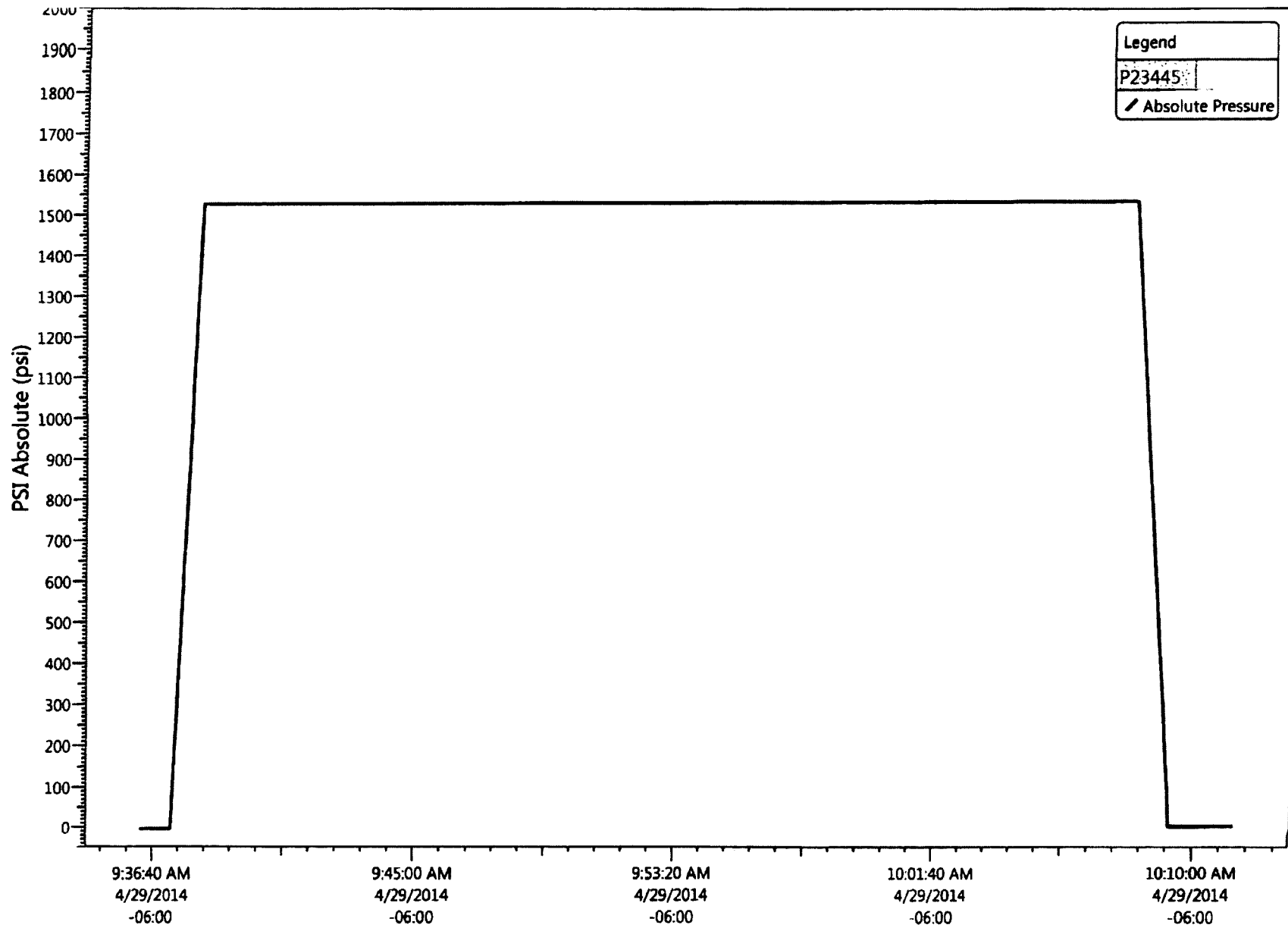
[Signature]

Signature of Person Conducting Test:

[Signature]

castle peak 8-20-9-16 (conversion MIT 4/29/14)

4/29/2014 9:35:38 AM



NEWFIELD



Job Detail Summary Report

Well Name: Federal 8-20-9-16

Jobs		
Primary Job Type Conversion	Job Start Date 4/15/2014	Job End Date

Daily Operations			
Report Start Date	Report End Date	24hr Activity Summary	
4/15/2014	4/16/2014	MIRUSU. Unhang head.	
Start Time	12:00	End Time	00:00
		Comment	
Start Time	00:00	End Time	05:00
		Road rig. Shut unit down. MIRUSU. Unhang head on unit.	
Start Time	05:00	End Time	12:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/16/2014	4/17/2014	LD rods. Tag fill. TOOH w/ tbg. TIH bit scraper	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	08:30
		Held safety meeting. Open well w/ 0 psi on casing. Flush rods w/ 30 bbls wtr.	
Start Time	08:30	End Time	09:30
		Re-seat pump. Soft seat pump. Test tbg & pump to 3000 psi w/ 15 bbls wtr. Fish rods.	
Start Time	09:30	End Time	13:00
		TOOH w/ rods laying down on trailer. 97- 3/4 4per, 48- 3/4" plain rods, 67- 3/4" 4per, 6- 1-1/2" weight rods. 2-1/2" x 1-1/4" x 12' x16' RHAC pump.	
Start Time	13:00	End Time	15:00
		RD wellhead. Instal BOP's. RU floor. Release TA.	
Start Time	15:00	End Time	16:00
		RU sand line. RIH & tag fill @ 5820' '(114' of fill, 288' of rat hole).	
Start Time	16:00	End Time	18:00
		TOOH w/ tbg. RU Bit (4-3/4") & 5-1/2" scraper. TIH w/ 148 jts tbg (4670').	
Start Time	18:00	End Time	00:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/17/2014	4/18/2014	TOOH w/ bit & scraper. Perforate. PU tools. PU frac string.	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	12:00
		Held safety meeting. Open well w/ 0 psi on casing. TOOH w/ 148 jts tbg. Breaking every collar, cleaning, inspecting. redoping every pin.	
Start Time	12:00	End Time	14:00
		RU WLT, crane & pack-off. RIH w/ 3-1/8" disposable perf guns (16 gram, .34"EH, 120", 21" pen) 3 spf. Perforate D2 sds @ 4622-27' w/ tti of 15 shots.	
Start Time	14:00	End Time	16:00
		Set racks. Unload 150 jts L-80 tbg. Drift, tally & put thread protectors back on tbg.	
Start Time	16:00	End Time	18:30
		RU 5-1/2" "TS" RBP. ON/OFF tool, 2-3/8" x 4' pup jnt, "HD" pkr, 1 jt tbg. SN, PU TIH w/ frac string (88 jts)	
Start Time	18:30	End Time	00:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/21/2014	4/22/2014	Continue PU TIH w/ tbg. Test casing. Test tools. Break down zone.	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	11:00
		Held safety meeting. Continue TIH w/ tbg.	

NEWFIELD



Job Detail Summary Report

Well Name: Federal 8-20-9-16

Start Time	11:00	End Time	13:00
		Comment	Set RBP @ 4550'. Fill well w/ 87 bbls. Test casing to 1500 psi w/ 5 bbls water. Good test. Release RBP.
Start Time	13:00	End Time	15:00
		Comment	TIH w/ tbg & set RBP @ 4650'. Set pkr @ 4634'. Test tbg to 4200 psi w/ 8 bbls wtr. Release pkr. Reset @ 4585'. Break zone down @ 2700 psi back to 2400 psi @ 1/4 bpm. ISIP was 2250 psi.
Start Time	15:00	End Time	00:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/22/2014	4/23/2014	Wait on frac crew	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	15:00
		Comment	Wait on Nabors due to behind schedule for week.
Start Time	15:00	End Time	00:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/23/2014	4/24/2014	RU Nabors frac crew. Frac well. Flow well back. LD L-80 frac string. Load out frac string. RU inj. BHA. RIH w/ tbg. Test tbg.	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	08:00
		Comment	Held safety meeting. Open well w/ 0 psi on casing. RU Nabors frac crew.
Start Time	08:00	End Time	10:00
		Comment	D2 sds @ 4622-27'. Down 2-7/8" tbg. Test lines to 5800 psi. Open well w/ 0 psi on casing. Fill casing w/ 20 bbls wtr. Held 200 psi on csg w/ frac w/ 5 bbls wtr. Broke @ 3178 psi. ISIP was 1685. 80FG. Spear head 6 bbls of 15% HCL (rec'd 50 psi drop when hit perms). Treated @ ave pressure of 3666 @ ave rate of 9.5 bpm w/ 220 bbls of 17# Borate Xlink frac fluid in wtr. Treated w/ 20,120# of 20/40 white sand @ 5 ppa. ISIP was 1725 w/ 81FG. 5 min was 1318. 10 min was 1231. 15 min was 1114.
Start Time	10:00	End Time	12:30
		Comment	RD frac crew. Open well to flow back on 28/64 choke. Flowed back 60 Bbls fluid w/ 900#'s sand. Open equalizer & released pkr. Circulate tbg clean. TIH w/ tbg to C/O 10' of sand. Release RBP @ 4650'.
Start Time	12:30	End Time	15:00
		Comment	LD 146 jts L-80 tbg. LD tools. Load out tbg on trailer w/ forklift.
Start Time	15:00	End Time	17:00
		Comment	RU 2-3/8" wireline entry guide, 2-3/8" XN nipple 1.87" ID. 4' x 2-3/8" pup jt, 5-1/2" x 2-7/8" Arrow set pkr, X nipple 1.87" ID on/off tool, 2-7/8" SN. TIH w/ 145 jts of used 2-7/8" J-55 tbg.
Start Time	17:00	End Time	19:00
		Comment	Pump 10 bbls wtr. Drop std vlv. Test tbg to 3000 psi w/ 20 bbls wtr. 3 failed tests.
Start Time	19:00	End Time	00:00
		Comment	
Report Start Date	Report End Date	24hr Activity Summary	
4/24/2014	4/25/2014	Continue test on tbg. Fish std vlv. RD BOP's. Pump pkr fluid. Set pkr. MIT well. RDMOSU.	
Start Time	00:00	End Time	07:00
		Comment	
Start Time	07:00	End Time	08:30
		Comment	Held safety meeting. Pump pressure to 3000 psi. Good test.
Start Time	08:30	End Time	09:30
		Comment	RU sand line & fish std vlv.

NEWFIELD



Job Detail Summary Report

Well Name: Federal 8-20-9-16

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Start Time	09:30	End Time	11:30	Comment
				RD BOP's. Pump 50 bbls pkr fluid. Set pkr w/ 15,000#'s tension CE @ 4542' & EOT @ 4552'. Test casing to 1500 psi w/ 20 bbls of pkr fluid
Start Time	11:30	End Time	19:00	Comment
				Failed testing by gaining pressure
Start Time	19:00	End Time	00:00	Comment
Report Start Date	Report End Date	24hr Activity Summary		
4/25/2014	4/26/2014	Test casing MIT csg w/ NFX water Services. RDMOSU.		
Start Time	00:00	End Time	07:00	Comment
Start Time	07:00	End Time	09:00	Comment
				Held Safety meeting. Well has 1500 psi on casing. RU Newfield Water Services & run MIT on casing.
Start Time	09:00	End Time	11:00	Comment
				RDMOSU.
Start Time	11:00	End Time	00:00	Comment
Report Start Date	Report End Date	24hr Activity Summary		
4/29/2014	4/29/2014	Conduct initial MIT		
Start Time	00:00	End Time	02:30	Comment
				On 04/25/2014 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 04/29/2014 the casing was pressured up to 1526 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 500 psig during the test. There was a State representative available to witness the test - Chris Jensen.

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Well Name: Federal 8-20-9-16

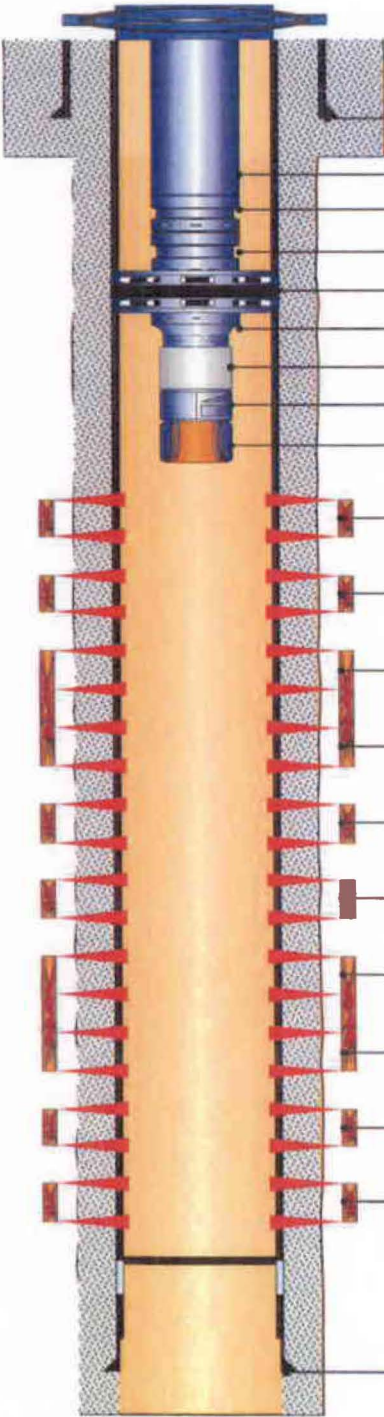
Surface Legal Location 20-9S-16E	API/UWI 43013331070000	Well RC 500159233	Lease	State/Province Utah	Field Name GMBU CTB3	County DUCHESNE
Spud Date 6/5/2007	Rig Release Date 6/16/2007	On Production Date 7/9/2007	Original KB Elevation (ft)	Ground Elevation (ft)	Total Depth All (TVD) (ftKB)	PBTD (All) (ftKB) Original Hole - 5,888.0

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 4/15/2014	Job End Date 4/29/2014
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TD: 5,950.0

Vertical - Original Hole, 9/15/2014 3:55:07 PM

MD (ftKB)	TVD (ftKB)	Incl (°)	DLS	DLS (° ...)	Vertical schematic (actual)
11.2					 <p>1: Surface; 8 5/8 in; 8.097 in; 11-315 ftKB; 304.00 ft</p> <p>4-1; Tubing; 2 7/8; 2.441; 12-4,538; 4,525.57</p> <p>4-2; Pump Seating Nipple; 2 7/8; 2.250; 4,538-4,539; 1.10</p> <p>4-3; On-Off Tool; 2 7/8; 2.441; 4,539-4,541; 1.94</p> <p>4-4; Packer; 5 1/2; 4.950; 4,541-4,548; 6.99</p> <p>4-5; Cross Over; 2 7/8; 1.991; 4,548-4,548; 0.60</p> <p>4-6; Tubing Pup Joint; 2 3/8; 1.991; 4,548-4,552; 4.11</p> <p>4-7; Profile Nipple; 2 3/8; 1.875; 4,552-4,553; 1.10</p> <p>4-8; Wireline Guide; 2 3/8; 1.991; 4,553-4,554; 0.50</p> <p>Perforated; 4,570-4,576; 7/5/2007</p> <p>Perforated; 4,622-4,627; 4/17/2014</p> <p>Perforated; 4,656-4,663; 7/3/2007</p> <p>Perforated; 4,704-4,709; 7/3/2007</p> <p>Perforated; 4,963-4,971; 7/3/2007</p> <p>Perforated; 5,055-5,074; 7/3/2007</p> <p>Perforated; 5,129-5,138; 7/2/2007</p> <p>Perforated; 5,164-5,176; 7/2/2007</p> <p>Perforated; 5,270-5,280; 7/2/2007</p> <p>Perforated; 5,484-5,492; 6/28/2007</p> <p>2: Production; 5 1/2 in; 4.950 in; 12-5,934 ftKB; 5,922.00 ft</p>
12.1					
314.0					
315.0					
321.9					
4,537.7					
4,538.7					
4,540.7					
4,547.6					
4,548.2					
4,552.2					
4,553.5					
4,553.8					
4,569.9					
4,576.1					
4,622.0					
4,627.0					
4,655.8					
4,663.1					
4,704.1					
4,709.0					
4,962.9					
4,971.1					
5,055.1					
5,074.1					
5,128.9					
5,138.1					
5,164.0					
5,175.9					
5,270.0					
5,279.9					
5,483.9					
5,492.1					
5,888.1					
5,888.8					
5,933.4					
5,934.1					
5,950.1					



Newfield Wellbore Diagram Data Federal 8-20-9-16

Surface Legal Location 20-9S-16E		AP/WVI 43013331070000		Lease	
County DUCHESE		State/Province Utah		Field Name GMBU CTB3	
Well Start Date 6/5/2007		Spud Date 6/5/2007		Final Rig Release Date 6/16/2007	
Original KB Elevation (ft)		Ground Elevation (ft)		On Production Date 7/9/2007	
Total Depth (ftKB)		5,950.0		Total Depth All (TVD) (ftKB)	
				PBTD (All) (ftKB)	
				Original Hole - 5,888.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	6/5/2007	8 5/8	8.097	24.00	J-55	315
Production	6/15/2007	5 1/2	4.950	15.50	J-55	5,934

Cement

String: Surface, 315ftKB 6/5/2007

Cementing Company		Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
		12.0	322.0		
Fluid Description Class "G" w/ 2% CaCL2 + 1/4#/sk Cello-Flake		Fluid Type Lead	Amount (sacks)	Class G	Estimated Top (ftKB)
			160		12.0

String: Production, 5,934ftKB 6/16/2007

Cementing Company		Top Depth (ftKB)	Bottom Depth (ftKB)	Full Return?	Vol Cement Ret (bbl)
		12.0	5,950.0		
Fluid Description Premiite II w/ 10% gel + 3 % KCL, 5#s /sk CSE + 2# sk/kolseal + 1/4#s/sk Cello Flake		Fluid Type Lead	Amount (sacks)	Class PL II	Estimated Top (ftKB)
			300		12.0
Fluid Description 50/50 poz VV/ 2% Gel + 3% KCL, .5%EC1, 1/4# sk C.F. 2% gel. 3% SM		Fluid Type Tail	Amount (sacks)	Class 50:50	Estimated Top (ftKB)
			425		12.0

Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing					4/24/2014		4,553.9	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
Tubing	145	2 7/8	2.441	6.50	J-55	4,525.57	12.0	4,537.6
Pump Seating Nipple	1	2 7/8	2.250		N-80	1.10	4,537.6	4,538.7
On-Off Tool	1	2 7/8	2.441			1.94	4,538.7	4,540.6
Packer	1	5 1/2	4.950			6.99	4,540.6	4,547.6
Cross Over	1	2 7/8	1.991			0.60	4,547.6	4,548.2
Tubing Pup Joint	1	2 3/8	1.991	4.70	J-55	4.11	4,548.2	4,552.3
Profile Nipple	1	2 3/8	1.875		N-80	1.10	4,552.3	4,553.4
Wireline Guide	1	2 3/8	1.991			0.50	4,553.4	4,553.9

Rod Strings

Rod Description		Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (*)	Nom Hole Dia (in)	Date
7	D1, Original Hole	4,570	4,576	4	120	0.340	7/5/2007
1	D2, Original Hole	4,622	4,627	3	120		4/17/2014
6	D3, Original Hole	4,656	4,663	4	120		7/3/2007
6	C, Original Hole	4,704	4,709	4	120		7/3/2007
5	A1, Original Hole	4,963	4,971	4	120		7/3/2007
4	LODC, Original Hole	5,055	5,074	4	120		7/3/2007
3	LODC, Original Hole	5,129	5,138	4	120		7/2/2007
3	LODC, Original Hole	5,164	5,176	4	120		7/2/2007
2	LODC, Original Hole	5,270	5,280	4	120		7/2/2007
1	CP1, Original Hole	5,484	5,492	4	120		6/28/2007

Stimulations & Treatments

Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,369	0.86	24.7	2,715			
2	2,486	0.9	24.5	2,730			
3	2,775	0.97	24.5	2,874			
4	2,680	0.96	24.7	2,660			
5	2,290	0.89	24.8	3,000			
6	1,667	0.79	24.7	1,840			
7	1,875	0.84	24.6	2,009			
8	1,725	0.806	17.2	4,095	222	323	222



Proppant

Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		
2		
3		
4		
5		
6		
7		
8	20,120	Main White Sand 20120 lbs